

Appendix D6 – Management Programs (Public Education)

Date	Staff	Group	Event	Location	Hours	Number Reached	Category
7/1/2020	Christine, Laura C, Michele, Nick, Laura M.	Master Watershed Stewards	WSA New Database Session	Virtual	1	15	Misc.
7/18/2020	Christine, Michele, Laura M., Kelly, (MWSs) Stephanie Noye, Bryon Bodt and Sabra Kurth	Public	Summer Adventure Poker Run	Annie's Playground	6	140	Public Outreach Events
7/28/2020	Christine, Laura C, Michele, Nick, Laura M., and Kelly	Planning and Zoning Staff	Coordination Watershed Protection & Environmental Planning	212 S Bond Street	1.5	10	Misc.
9/3/2020	Christine, Laura C, Michele, Laura M.	Master Gardners	Guidance on Upcoming Trail Installation	AG Building	1.5	10	Misc.
9/14/2020	Laura C. and Laura M.	UMD Extension Sea Grant and Parks and Rec	Potential Master Watershed Stewards Projects Tour	Mariner Point Park	2	2	Misc.
9/15/2020	Christine, Laura C, Michele, Laura M.	HCG & Partners	Outreach Coordination Meeting	Virtual	1.5	10	Misc.
9/16/2020	Christine	Watershed Stewards Academy Partners	Outreach Coordination Meeting	Conference Call	3	10	Misc.
9/21/2020	Christine, Laura, Michele, Scott, Nick	Planning and Zoning Staff	Coordination Watershed Protection & Environmental Planning	212 S Bond St	1.5	10	Misc.
9/30/2020	Christine, Laura C, Michele, Laura M. and Kelsey Brooks (UMD)	Master Watershed Stewards	Outreach Coordination Meeting	Virtual	2	15	Misc.
10/15/2020	Christine, Michele and Laura C.	Master Gardeners and Watershed Academy	Water Words that Work Training	Virtual	2	Countless	Misc.
10/22/2020	Christine, Michele and Laura C.	Master Gardeners and Watershed Academy	Water Words that Work Training	Virtual	2	Countless	Misc.
10/27/2020	Christine, Laura C., Michele and Laura M.	Planning and Zoning Staff	Coordination Watershed Protection & Environmental Planning	212 S Bond St	1.5	10	Misc.
10/29/2020	Christine, Michele and Laura C.	Master Gardeners and Watershed Academy	Water Words that Work Training	Virtual	2	Countless	Misc.
11/17/2020	Christine, Laura C, Michele, Laura M.	HCG & Partners	Outreach Coordination Meeting	Virtual	1.5	10	Misc.
11/18/2020	Christine, Laura C, Michele, Laura M. and Kelsey Brooks (UMD)	Master Watershed Stewards	Outreach Coordination Meeting	Virtual	2	15	Misc.
12/11/2020	Scott and Laura	Watershed Stewards Academy/ Partners	Outreach Coordination Meeting	Conference Call	3	15	Misc.
12/15/2020	Christine and Laura C.	Watershed Stewards Academy/ Partners	Outreach Coordination Meeting	Conference Call	3	10	Misc.
1/14/2021	Christine, Laura M.	North Harford Students	Outreach-School Presentation	North Harford	1.5	15	School Activities
1/19/2021	Christine, Michele and Laura C.	Master Watershed Stewards	WSA Meeting and Clear Choices-Water's Campaign Webinar	Virtual	1	25	Misc.
1/19/2021	Christine, Michele and Laura C.	HCG & Partners	Outreach Meeting and Clear Choices-Water's Campaign Webinar	Virtual	1.5	15	Misc.

Date	Staff	Group	Event	Location	Hours	Number Reached	Category
3/16/2021	Christine, Michele and Laura C.	Master Watershed Stewards	Outreach Coordination Meeting	Virtual	1	20	Misc.
3/16/2021	Christine, Michele and Laura C.	HCG & Partners	Outreach Coordination Meeting	Virtual	1.5	15	Misc.
3/19/2021	Christine, Laura C., Michele and Laura M.	Planning and Zoning Staff	Coordination Watershed Protection & Environmental Planning	Virtual	1.5	10	Misc.
3/24/2021	Laura Coste	Director	Summer Adventure and Poker Run	Maritime Museum	1	3	Misc.
3/26/2021	Laura Coste	Home Depot	Vendors		1	3	Misc.
4/5/2021	Laura Coste	Public	City of Havre de Grace Council Meeting	Virtual	1	Countless	Misc.
5/1/2021	Michele	Public	2021 City Nature Challenge	Harford Glen	6	25	Public Outreach Events
5/18/2021	Chistine, Michele and Laura	HCG & Partners	Outreach Coordination Meeting	Virtual	1.5	10	Misc.
5/18/2021	Chistine, Michele, Laura and Kelsey Brooks	Master Watershed Stewards	Quarterly Meeting	Virtual	1	20	Misc.
6/1/2021	Kelly & Dan	Public	Hanging door signs	Joppatowne	3	350	Misc.
6/5/2021	Michele and Kelly	Public	Wade In	Anita C. Leight	6	150	Public Outreach Events
6/9/2021	Christine and Laura	Watershed Stewards Academy Partners	Outreach Coordination Meeting	Conference Call	1	10	Misc.
6/9/2021	Laura Coste and Kelsey Brooks	Public	Watershed Stewards Academy Information Session	McFaul Activity Center	1	5	Public Outreach Events
6/9/2021	Christine, Michele, Laura, Kelly, Scott Kearby, Germain Vadas, Rose Braue, Fran Garrety, Stan Kollar, Wendy	Forest Hill Elementary School	Garden Day	Forest Hill Elementary School	7	450	School Activities
6/10/2021	Christine, Laura and Michele	Planning and Zoning Staff	Coordination Watershed Protection & Environmental Planning	Virtual	1	10	Misc.
6/15/2021	Christine, Kelsey Brooks, Craig Highfield and Alliance for the bay	Maryland Tree Stewards and Harford WSA	Planning Meeting	Virtual	1	5	Misc.
6/15/2021	Christine, Michele, Laura, Joyce Browning and Kelsey Brooks	Watershed Stewards Academy	Quarterly Meeting and Weed Identification Workshop	Forest Hill Elementary School	2	15	Misc.
FY21	Laura Coste	Facebook	Post and Events	Harford County	Countless	Countless	Misc.
FY21	Laura Coste	Watershed Stewards and Outreach Partners	Monthly Bulletin	Email	Countless	50	Misc.
Memorial Day 2020 - Labor Day 2020	Laura Coste and Intern	Public	Summer Adventure	Harford County	Countless	Countless	Public Outreach Events

Harford Streams Summer Adventure 2020

Watershed Protection and Restoration continued our “Harford Streams Summer Adventure” program for 2020, to raise awareness and support for protecting Harford County’s waterways and to encourage residents to explore the natural beauty of the County’s streams. Registered participants were invited to take selfies and write a short comment about something they did, learned, or observed at designated stream locations and upload them to our online app. Participants that submitted 7 sites earned a free T-shirt and for dogs they earned a bandana. Participants that submitted eleven locations were eligible to win a Pontoon Boat Trip at the Anita C. Leight Estuary Center. Participants that submitted fifteen locations were eligible to win a Canoe Trip at Eden Mill Nature Center. County citizens of all ages were able to register for the adventure program, which concluded September 7, 2020.

Due to the COVID-19 Pandemic we posted the information below at the beginning of our [Harford Streams Summer Adventure web page](#) to keep everyone safe and informed.

COVID-19 UPDATE:

When having fun with Harford Streams Summer Adventure, we ask that you please limit your participation to family members within your household, maintain social distancing and follow all recommended precautions as outlined in Governor Hogan’s executive orders.

For more information, and the latest updates on COVID-19, visit the County’s COVID-19 information page.

Website

A web page was created at bit.ly/HSSummerAdventure for the program which included links for:

- Registrations
- Online app for uploading photos
- Interactive Map for viewing photos
- Interactive Maps for viewing locations
- Frequently Asked Questions
- Comments/Questions
- Drawing prizes

Apps

An online [app](#) was created for uploading photos, entering locations using GIS and describing actions.

An online app was created for [viewing photos](#).

An online app was created for [viewing the locations and maps](#).

Advertising

Flyers, palm cards, or yard signs was distributed to numerous locations throughout the county or displayed on or through their social media. Locations included Harford County Libraries, Harford County Public Schools, various Harford County Government Organizations or Agencies, random stores, restaurants and various businesses.

On May 20, 2020, Harford County issued a Press Release laying out the details of the program.

Poker Run

A highlight of the program was the “poker run” held on July 18, 2020 and was a huge success. More than 130 participants started at Annie’s Playground in Fallston by collecting playing cards and learning about the stream restoration project from Harford County staff and Ecotone. Next stops were Gunpowder Falls State Park Sweet Air Area and the Liriodendron Lower Lot Trail. The poker run concluded back at Annie’s

Playground where participants turned in their poker hands and enjoyed snacks, shaved ice from Kona Ice, received T-shirts and other prizes, with support from Visit Harford, Harford County Office of Drug Control Policy, Harford Soil Conservation District, Harford Land Trust, Susquehannock Wildlife Society, Watershed Stewards Academy, Gunpowder Riverkeeper, and Ecotone.

Kona Ice was available for purchase and discount coupons were distributed at registration. Exhibitors at Annie's Playground included Harford Soil Conservation District, Harford County Office of Drug Control Policy, Watershed Stewards Academy, Harford Land Trust, Susquehannock Wildlife Society, Gunpowder Riverkeeper, Ecotone, and Visit Harford.

Poker Run Donations

T-shirts – Visit Harford

Yeti Cooler – MK Consulting Engineers, Whitehall Mill, 3300 Clipper Mill Road, Suite 201, Baltimore, MD

GoSports Battlechip Match game kit - Watershed Protection and Restoration

ILive Waterproof Floating Bluetooth Speaker - Watershed Protection and Restoration

Yeti Cup - Watershed Protection and Restoration

Venue (Annie's Playground) – Harford County Parks and Rec

Results

Harford Streams Summer Adventure 2020.

*Only one entry per Families/Groups is used for the drawings.

Number of Participants	1011
Number of *Families/Groups	314
Number of Selfies Submitted	1098
Number of T-Shirts Earned (7 site visits or more)	441
Number of Dog Bandanas Earned (7 site visits or more)	45
Number of *Families/Groups Entered Into The Pontoon Boat Drawing (11 site visits or more)	28
Number of *Families/Groups Entered Into MD Science Center Drawing (15 site visits or more)	14
Number of *Families/Groups Who Did More Than Required (more than 15 site visits)	8
Number of Participants at Poker Run	130

Locations

Waterway	Groups/Families Visited
Anita C. Leight Estuary Center	56
Bynum Run Stream Restoration	60
Concord Point Lighthouse	61
Conowingo Dam	38
Deer Creek at Sandy Hook	35
Dublin Dell Park	41
Eden Mill Nature Center	66
Flying Point Park	24
Forest Greens Park	16
Foster Branch Stream Restoration	28
Hidden Valley Nature Area	34
Jerusalem Mill Village	59

Waterway	Groups/Families Visited
Lapidum Boat Launch	32
Ma and Pa Trail at Liriodendron	53
North Park Loop Trail	55
Palmer State Park	38
Rocks State Park Parking at Ma & Pa Area	43
Susquehanna State Park at Craigs Corner Road	31
Susquehanna State Park at Quaker Bottom Road	36
The Promenade in Havre de Grace (Boardwalk)	66
Waterway Of Your Choice	249

This year's winners:

The Pontoon Boat Ride goes to the Siegel's from Bel Air.



The Canoe Trip goes to the Castillo's and their dogs from Belcamp.



On October 13, 2020, County Executive, Barry Glassman and staff offered their thanks and congratulations.

On October 16, 2020, Harford County issued a Press Release congratulating the winners from the drawings.

Participants discovering new places

Feedback throughout the program was very enthusiastic.

- We had no idea that this swimming hole was 10 minutes from our house! We were not prepared but will definitely be going back soon! (Deer Creek at Sandy Hook Road)
- Never knew about this place! (Hidden Valley Nature Area)
- Discovered a new area for us E. Wheel Rd and Patterson Mill Rd intersection. Walked about 1/2 mile down the stream and looked at the nature around.
- Our first time visiting this park! (Dublin Dell Park)
- This was our first time visiting this boat launch and my son enjoyed seeing the bridge from below. We also saw boaters and herons flying overhead!
- We found new-to-us trails today! Along the stream we discovered some bright orange mushrooms! (Susquehanna State Park @ Quaker Bottom Road)
- We had no idea that this gem was only 10 minutes from our house! Our family did the 3 mile loop. It had great terrain challenges and scenery changes. (Palmer State Park)
- Never been down here before, pretty nice. (North Park Loop Trail)
- Visited Jerusalem Mill and saw the bridge. We also found a new trail we hadn't tried before.
- Never knew about the flint kiln. Beautiful spot. (Susquehanna State Park at Craig's Corner Road)
- First visit to Jerusalem Mill, but not our last.
- I have lived in Harford County all of my life and this is my first visit to Dublin Dell.
- I had no idea this area even existed, but I can't wait to go back! We're always looking for new places to kayak, and Deer Creek is always nice. (Susquehanna State Park at Craig's Corner Road)
- I've lived in Harford my whole life and never actually made the trip to shoresville landing before today. It's a cool view of the dam and a nice fishing spot!
- Our first visit to this trail! We walked along the river and want to come back to explore more. (North Park Loop Trail)
- Our first time here. Very nice 4 mi hike around the outer loop. Kids were worn out by the end! (Palmer State Park)
- I have lived in Harford County all of my life but never knew this was here. (Hidden Valley Nature Area)
- Wow! What a nice area I never knew was there! (North Park Loop Trail)
- Never even knew it was there. Beautiful evening to enjoy the water. (Forest Greens Park)
- Never been here either. Quiet walk in the woods. (Palmer State Park)
- Exploring the stream, we never knew it was here! So beautiful!! (Bynum Run Stream)
- We loved taking our first kayak trip of the season (and my daughter's first trip EVER!) at Mariner Point Park today! It was so nice and calm on the water.
- This was our first time at Eden Mill and we loved it! We saw a group of kayakers launching at the top of the dam and went on to hike the High Meadow trail! We saw chipmunks, squirrels, and bunnies!
- We have never taken this branch of the Ma and Pa before! It's a pretty steep slope from Liriodendron to the stream. We saw a lot of dragon flies!
- 1st timers on trail. Nice! (North Park Loop Trail)
- New Location we had never been to before - it is like walking into another world with the dense foliage. (Palmer State Park)

- Loved visiting the boardwalk for the first time! Amazing food!
- 1st time here and we love it! (Anita C. Leight Estuary Center)
- Didn't know this was back here. (Bynum Run Stream)
- We never knew this was here! (Jerusalem Mill Village)

- New trail for us. (North Park Loop Trail)
- First time here- will certainly be returning! (Eden Mill Nature Center)
- Totally unfamiliar with this park. Very nice! (Palmer State Park)
- We visited Benjamin's Bridge and it was the first time our family had been here.

Feedback Form results for Summer Adventure

I like the T-shirt design.

- No (1 response, 1.9%)
- Yes (53 responses, 98.1%)

What was your favorite location?

Location	Responses	Percentage
Jerusalem Mill Village	8	14.80%
Eden Mill Nature Center	7	13.00%
North Park Loop Trail (Joe K's Trail)	6	11.10%
Deer Creek at Sandy Hook	5	9.30%
Conowingo Dam	4	7.40%
Palmer State Park	4	7.40%
Anita C. Leight Estuary Center	3	5.60%
Concord Point Lighthouse	3	5.60%
Hidden Valley Nature Area	3	5.60%
Ma and Pa Trail at Liriodendron	3	5.60%
Flying Point Park	2	3.70%
OTHER	2	3.70%
Bynum Run Stream	1	1.90%
Rocks State Park Parking at Ma & Pa Area	1	1.90%
Susquehanna State Park at Craig's Corner Road	1	1.90%
Susquehanna State Park at Quaker Bottom Road	1	1.90%
Dublin Dell Park	0	0.00%
Forest Greens Park	0	0.00%
Foster Branch Stream Restoration	0	0.00%
Lapidum Boat Launch	0	0.00%
The Promenade in Havre de Grace (Boardwalk)	0	0.00%

Why was this your favorite location?

- A place we never visited.
- Lots of places to walk in the water, hike in the woods. Multitude of space to be distanced from others and enjoy all the park had to offer for water and hiking and enjoying nature
- It was so secluded and had a nice variety along the trails.
- Kids learned a lot and searched in water even picked up a fish!
- EAGLES!
- Beautiful
- Love the pretty rocks in the stream here
- Beautiful creek with easy to travel trails. Our dog loves swimming in Deer Creek!
- Great view. My kids loved it.
- Easy access to swimming in the water!
- The beauty of the nature
- The story behind Joe K, and the Lock House.
- Cool history

- It 'shard to pick just one. HdG is beautiful. It's easy to spy a Great Blue Heron and eagles. It has great history, easy water access and lots of activity with the sailboats and restaurants.
- I had never heard of this park!! Not only is it a pretty place to picnic or just stroll, it is another good location to launch our kayak.
- In the past I liked the reenactors. But even when they weren't there the covered bridge was cool
- The area of the Bynum we visited had a lot of areas to hike around but there was a part of it deep enough to swim in and get cooled off. It was about 3-4 feet deep in the deepest part, perfect for my kids and very refreshing on hot summer days.
- I like all the locations that are trail/ water and not by lots of people and cars
- We saw our 1st skink in the wild.
- The scenery was absolutely incredible and I had no idea this existed prior to the Summer Adventure.
- My boys loved seeing the historical buildings, along with the walk along the stream.
- love the trails and areas to see different animals
- We had never been there before and it is beautiful
- quiet, hiking, canoeing/kayaking available, nature center
- Beauty and history.
- I always love going there, and taking my dog swimming in the stream!
- Beautiful historic park with a nice stream and riverbank
- Water was running fast and clear on a beautiful summer day
- Hilly and flat, hard packed dirt, cooling stream
- Like the building and water area
- Mainly because it was new to us. We had never explored it before.
- Good mix of activities. Hiking trails that little kids can do. Reenactments give a peek into history. Nice picnic areas.
- It was a park that we had not explored before.
- Never anyone there!
- Eden mill is close to my house and I love the trails.
- We enjoyed the hike, picking berries and wading in the water.
- It has a beautiful view and I love the trails.
- We have lived here for 20 years and had never been here. There are several routes and nice trails.
- Stream access was close to the parking lot and we could enjoy the water while still social distancing.
- Deer Creek. I had no idea the stream was even there. It was pretty.
- We got lost in the woods for 6 miles, and the girls almost fell off the cliff... but it was a good time between the leg cramps, the crying and the fear of not knowing if we would ever make it home again.
- Easy to take a long walk there.
- His park has well maintained trails with lovely views of Foster Branch and The Gunpowder River.
- We had never been there before and love checking out new trails and water and playgrounds
- The water was very peaceful. We also really liked the Eden Mill Center.
- Beautiful stream and great hikes
- Close to home love the trails and the water views
- We love walking this path, always great wildlife present.
- Able to share information with my children.
- I can't remember the name of our favorite locale but it was on the day of the Poker Run with the long walk through corn fields. We got to see horses at the water so the kids loved that.
- Beautiful setting
- It was the first year we found the place and we had a great time walking the park.
- We stumbled upon it and found the Locke house at the end. It was a super cool find
- We love spending time there! My husband proposed to me there 18 years ago and our girls help to keep it trash free through CAT Club on Saturdays.
- I never visited the light house before and it was beautiful!
- Easy to get to and fun to be in shallow water

The raffles encouraged me to visit more locations.

- No (6 responses, 11.1%)
- Yes (48 responses, 88.9%)

What would encourage you to visit more locations?

- We started this a little late this year. We will definitely do it again next year but will start earlier.
- Same, but maybe more levels of raffles. Or prizes other than a shirt for a second tier of locations. But it was lots of fun either way
- Like a scavenger hunt at each location
- Notes on what to look for.
- Promos
- We did all but 1 just because of distance and time
- Maybe some monthly raffles for participants.
- Maybe little giveaways for the Kids at each location.
- gift cards and prizes for xx number of visits
- More free time.
- More of the same I thought it was done well but a tough year.
- Honestly, having a smaller prize at the level the shirt is at now and qualifying for the shirt by visiting more streams or add an additional prize for visiting more streams, like a plastic cup or something.
- More raffles for more locations
- I loved having a goal to work towards like the t-shirt and raffles. It added more excitement and a feeling of accomplishment.
- Something like geocaching prizes hidden at each
- Time!
- Clearer hours of Park operations.
- Nothing, it was fine as is.
- Prizes that would entice my younger children (ages 6-7).
- making them easier to find, maps, online directions
- Need more time
- time and knowing what places are ideal to access
- Information on all locations on site.
- Activities at each location, maybe?
- Another poker rally or Streams adventure
- Maybe something similar to a national park passport that could get stamped
- We did a kayak/hike event where you had to trace the design of a sign with a crayon to show you'd been there. Our kids loved that.
- Sometimes on certain locations especially ones that are not familiar as a first time it is difficult to know you are in the right location with the signs posted. Maybe having photos of the starting point for each location so at least when you show up you know you are in the right location and might just need to walk further to get to the water itself?
- We would have liked to visit them all, the wife was having trouble with her knee this year. Next year we hope to visit them all and then some.
- Easier app or website for tracking where you visit. The site that was used this year was a bit hard to navigate.
- Any type of family activities or badges kids could earn possibly.
- More programs like this.
- "We hit almost all of them. We just like
- Getting around"
- Prizes
- Just ran out of time
- Definitely a fan of the pontoon boat ride.
- We definitely want to do this again next year. We would do it in the fall also.
- I thought there were so many! Having clear directions of where to park and where to go would help.
- An additional clothing item/bag
- More activities to participate in while at the locations, such as a scavenger hunt.
- Starting the contest earlier. I did not find out about it until late in August.
- Listing the locations available to visit. My husband & I visited the promenade @ Havre de Grace but didn't take a photo.
- Na
- Better access to some of the streams.
- I don't know
- Events at those locations with free giveaways
- Activities to do at locations. Taking a photo is fun, but a scavenger hunt/geocache type thing would encourage you to stick around
- Maybe include a scavenger hunt?
- The events are perfect and we LOVE the Poker Run. So I'm sure it's a lot of work but any organized game and event is a win for us.
- More trails, parks
- Maybe different prizes or new locations?
- Directions or maybe pics of the spots. Help to decide if places are worth going to.
- We visited 15 locations, so the raffle had inspired us.
- The t shirt is very encouraging! Perhaps a reusable water bottle.
- Contests

Do you have any location suggestions?

- You've covered them!
- Harford Glen
- No, there were so many awesome locations on the map already!
- Harford Glen
- Mariner Point Park
- Different parts of the Gunpowder--Sweet Air maybe? James Run? Broad Creek?
- Falling branch
- I think there were many options already as well as the 5 you could choose that are smaller of less popular.
- Goose Creek in Whiteford
- Harford Glen Park
- No. I think the locations chosen were good because they were all near a parking lot.
- More places in Rocks State Park, Kilgore Falls
- Mariner Point
- Harford Glen
- Broad Creek, Otter Point
- Little Gunpowder Falls
- Falling Branch?
- Swan Harbor Farm
- Falling Branch
- Falling branch waterfall
- Gunpowder falls
- Is there a site @ Swan Harbor? Harford Glen?
- Stream restoration sites - Magnolia Middle
- Abingdon woods
- If Harford Glen is open to the public at the time, that's a nice place to visit.
- Harford Glen
- Harford Glen Park
- No, there were so many awesome locations on the map already!
- You've covered them!
- Swan Harbor Farm
- Falling Branch?
- Little Gunpowder Falls
- Swan Harbor Farm
- Broad Creek, Otter Point
- Harford Glen
- Is there a site @ Swan Harbor? Harford Glen?
- Stream restoration sites - Magnolia Middle
- Little Gunpowder Falls
- Mariner Point

Did you attend the Poker Run?

- No (48 responses, 88.9%)
- Yes (6 responses, 11.1%)

Would you attend the Poker Run in May?

- No (24 responses, 44.4%)
- Yes (30 responses, 55.6%)

From the previous answers above, all 6 submission who attended the Poker Run answered yes, they would attend the Poker Run in May.

From the previous answers above, from the 48 submissions who did not attend the Poker Run, half (24) said they would attend in May.

What would encourage you to attend the Poker Run?

- Would need more information
- A kids run
- More dates
- Information about it. This is the first I'm hearing.
- Advance notice
- No COVID
- We couldn't make it this last time to the Poker Run, but are going to next year!
- Nothing, we like doing it throughout the summer.
- we are just busy on weekends
- nothing
- More free time
- Not being afraid of COVID!
- Locations closer to each other, fewer locations
- I'm not a runner and honestly don't know much about it. A better understanding of what it is and if there is a walking option so my young kids can join me.
- I just missed it because I had to go to school that day
- Not sure
- Will attend if possible.
- I'm not familiar with what the poker run is.
- More details... I'm not sure what the poker run is.
- nothing

- May is a busy month
- time and information
- Having a couple of more days to complete it.
- Activities other than just a run, maybe? I generally don't do them but I would consider it for Harford County Streams
- Just not that interested
- Not sure
- A lot of attending the Poker Run comes down to other activities on the same weekend. I know in the past we have had to miss a July Poker Run because of another conflict - so May versus July doesn't matter. Also current circumstances would preclude me from attending no matter what the time.
- We would have liked to have went this year but we had other obligations that day.
- Not really sure what the poker run is?!?
- Directions on how it works.
- Me not working on Saturdays
- Prizes
- The raffles
- We just like hiking and don't need other reasons.
- It seems too fast paced for us. We enjoy ok y relaxing at each location.
- Not having COVID-19 in the surrounding area
- Not sure what it is
- If I am available
- Will attend if possible.
- The date, we always seem to be busy on the weekend it occurs
- Need more information on it.
- No covid
- Have no idea, just not into it.
- Nothing
- As long as we don't have a schedule conflict. It would be nice to have the Poker Run at different parts of the county each year.
- I don't know
- The weather was not good that day so we passed.
- Options for instant prizes (gift cards to local places, experiences)
- Good weather
- we did
- prizes
- A bigger after party.
- Already encouraged! I just missed it because I had to go to school that day
- I'm not a runner and honestly don't know much about it. A better understanding of what it is and if there is a walking option so my young kids can join me.
- Information about it. This is the first I'm hearing.
- Not sure
- Nothing
- Options for instant prizes (gift cards to local places, experiences)

Do you have any prize suggestions for Summer Adventure or Poker Run?

- Mugs, certificates for kiddos
- Dinner gift cards to a local restaurant (Pairings?)
- The prizes this year were great! The T-shirts and bandanas were wonderful. Maybe next year it could include hats or visors.
- I like the current ones
- I think your prize selection was great!
- Face coverings, hats
- Like I said above, maybe a plastic cup? Pen? Some bonus cheap prize you can get for visiting even more streams than when you qualify for a shirt.
- Science center passes, Ladew garden passes
- I loved the prizes already
- Sweatshirts
- It was good I thought
- Maybe a hat or decal.
- Yeti cooler, stainless steel water bottle
- Ask local businesses for donations
- special prize for children
- visor
- Water bottle
- Face masks?
- Like the T-shirts, I would not recommend water bottles, wrist bracelets (every event gives these out and to be honest they get thrown away), even baseball caps (not the floppy kind) or long sleeve shirts (so you can wear them at different times of year)
- The shirts were nice and the theme good. It would be nice if they change a little from year to year.
- Not sure Shirts, bags, classroom materials for learning
- Yeti cooler again
- The t shirts are great.
- How about a raffle for a stand up paddleboard, kayak, or canoe?
- More categories to win - maybe gift certificates for ice cream, Farm Fair etc.

- No. I thought the prizes were good. I was really excited about the pontoon boat ride. I want to look into to that for myself.
- Reusable water bottles, reusable shopping totes,
- Gift cards, baskets, membership to local place.
- No I like the summer adventure the way it is
- No you did a great job
- A contest to design the shirts for kids.

- Maybe some outdoor activities as prizes or raffles. Tickets to some of the corn mazes for fall, archery places, high ropes courses, kayaking locations.
- Small business or local restaurant gift cards
- a local sweet treat gift card
- iron birds tickets, nature center activities
- Restaurant certificates

Did you like the photo submission process and what would you to improve it?

- I like adding the photos. It did take me a little bit to get used to how to do it.
- It was trickier than I'd have liked. We would have preferred to upload it to an app and not log in each time especially when we are on the trails and don't stop for long.
- It was fine. Maybe an app
- It was fine.
- Didn't submit
- It was fine. Maybe have it so when you select the location in the drop down you don't also have to select it on the map.
- The photo submission process is great. You can check out your own photos as well as other participants and enjoy their comments.
- Yes
- yes it was easy to do
- yes
- I just need to remember my camera or phone dry bag.
- Yes
- It was fine once I figured it out. But I thought we could only submit one photo, so maybe something saying you can submit as many photos as you want.
- An actual app would be nice instead of the browser page
- It was easy to use especially in the evenings. During the day on weekends it was slower to load but I assumed it was due to a high number of users during that time.
- It was good
- Took a few to get the hang of
- I liked it, it was easy to navigate.
- It was fine, I have no recommendations on improving it.
- Yes
- yes
- It is good
- Easy process.
- It was o.k.

- I would have liked an option to view only my submissions on a map. Too many submitted made the map too cluttered!
- Kind of cumbersome process. It was difficult for less tech savvy folks to navigate it
- It was complicated to do on the computer, worked well with my phone, except the strange location suggestions made for other parts of the world when using map.
- it seems not easy to find your submission - so the ability to sort by user id
- The whole process seemed to be a little more difficult then it needed to be but we figured it out.
- The site was kind of difficult to use and. I little tricky to find your location on the map.
- Yes
- Yes it was easy
- Yes
- The process was very easy I liked it a lot.
- The photos were very easy to do.
- Yes
- Sometimes it was hard to upload the photo if you could not get service in the spot and the photo would not always be on your phone to access later when you did get a connection. Maybe that was more of a user problem.
- I had some difficulty posting my photos on the website, especially using the GPS map. Perhaps giving a little more instruction on use of this app.
- No. I think it was difficult to navigate. Posting online and tagging the location would be easier
- It was fine
- App was a little difficult to use but we made it work. Uploading photos was not always fast and smooth
- An actual app, the GUI for the submission is clunky and slow.
- Photos are awesome
- Its fine

- The photo submission was easy to do.
- Better interface it was confusing and difficult to use.
- Yes
- Yes
- A little had to find the place RO submit
- Yes. An app would be great but I get that can be expensive or hard to manage
- yes, nothing

- It was difficult to find the link and find the location
- yes
- I thought the photo submission process was very easy and self-explanatory.
- It's hard for me to find where I am on the map so sometimes I just guess, not sure how to improve that but it's a struggle for the geographically challenged.

Do you have any other comments, suggestions or concerns?

- I learned about the program from a friend who had started the program last year.
- Loved the program.
- Our family and dog love the Harford Streams Summer Adventure Program. It gave us an agenda to get to locations, and we look forward to participating next year!
- "Hoping 2021 will be a better year in general and more people can get involved.
- This was our first time doing the stream adventure, and it was fun! It got us out and about to some corners of the county we've never seen in 25 years. (PS, I only have one photo so far of our shirts--my husband wearing his at the Abingdon Dog Park). The shirt is awesome!
- If you'd like a local illustrator for your shirts in the future, feel free to contact me!
- This was our first year doing this. My kids are 4 and they had a great time. We are looking forward to doing it for many more years. Thank you!
- We are glad the program was offered & enjoyed it very much.
- There is a lot of history in Harford County. Maybe some more historical sites within the areas of streams could be incorporated in the search. This could be educational for all and help develop a deeper appreciation for Harford County
- It was a nice thing for the County to do and am looking forward to next year.
- I think this was a fun program to participate in as a family but did not know about it until a few weeks in to summer when I saw a flyer at one of the parks. I don't have Facebook so maybe you advertised on there but I think that your advertising could be increased. Maybe local libraries, schools or coffee shops could have flyers also.
- not at this time
- Thanks for the program.
- It was fun and encouraged to go to areas we don't ordinarily hike.
- The program was a lot of fun.
- Thanks for everyone who took part in it!
- No. Great idea to get people outside I can't believe I never knew about it before
- Great program please do it again!
- I wish there were clearer directions to the streams. We walked for 2 hours at Palmer state park and only got to where we could hear the water. It was quite frustrating.
- The event was so much fun! Absolutely loved it!
- I thought it was fun. I wish I had heard about it earlier. I will be looking at the start of next summer. It was a nice activity to do outside during the pandemic.
- No, I think this is an excellent idea to promote healthy exploration of our beautiful county.
- We love participating every year!
- It was a great experience. Maybe push it a little harder through HCPS.
- This was a fun thing to do this summer. We found some cool places around Harford Co
- Thank you for a great program that inspired us to visit places we haven't been before.
- I love this program
- It was a wonderful program
- We loved this program especially during covid. Made many memories with our granddaughter and we learned a lot. Saw much wildlife. It was a great incentive to be out enjoying nature and we are more aware of the importance of healthy streams
- We enjoyed it and found new places. Thanks!
- This was our first time participating, and we really enjoyed the experience. We also really liked that our dogs could participate; we like to take them with us as often as possible.
- Love it! Thank you for all you do!

Feedback Form results for Poker Run

Have you attended the Poker run previously?

- No (21 responses, 84.0%)
- Yes (4 responses, 16.0%)

How many years have you attended?

- | | | | | | |
|-----|-----|-----|-----|-----|-----|
| • 1 | • 1 | • 1 | • 1 | • 2 | • 1 |
| • 1 | • 1 | • 1 | • 1 | • 1 | • 1 |
| • 1 | • 4 | • 1 | • 1 | • 3 | |

How did you hear about the Poker Run?

- | | |
|---|--|
| <ul style="list-style-type: none">• Email• Just now- I did the Harford Streams event. Is that the same thing?• Harford streams Facebook page• Flyer• Website• I don't remember• Fb• letter on email• Harford streams• Facebook• Saw on line by friend• Didn't• Facebook | <ul style="list-style-type: none">• Signs at locations and pamphlet page• Friends• Facebook• FB ad• Facebook• FB• Facebook• From the flyer about the Harford Summer Stream Adventure.• Email• Participating as a vendor previously• Family members who have participated many years in Harford Streams events.• Email |
|---|--|

Do you have any prize suggestions for next year?

- | | |
|---|---|
| <ul style="list-style-type: none">• Sweatshirts• No love the prizes already• visors• Gift cards for restaurants• The prizes this year were great! The T-shirts and bandana are wonderful. Maybe next year it could include hats or visors.• Hiking backpack, hats, water bottles, specific nature center gear, private nature center events like kayaking, canoe trips, guided hikes, activities for kids• Canoe trip/boat ride• We didn't get the dog bandana we asked for, our son's dog was sequestered in NY so he didn't hike with us, but I loved that prize idea. | <ul style="list-style-type: none">• Local restaurant gift cards• No, the colorful shirts were really nice!• No, this year Las prizes seemed fine• Gift cards• Lightweight outdoor gear is good! Travel binoculars, seating, map sets, masks.• Kayak to get people out on the streams and or gear and or gift certificate to a place where you can rent kayak/ canoe, Binoculars, etc.• gift card• Not at this time.• Collapsible wagons to carry things.• I like the cooler!• Sporting goods, health and wellness items |
|---|---|

Do you have any location suggestions for next year?

- | | |
|--|---|
| <ul style="list-style-type: none">• Any trails• Mariner Point Park. | <ul style="list-style-type: none">• I thought the list was extensive and the option to add up to 5 of your own is great for a stream that might be smaller or less popular. |
|--|---|

- Mariner Point
- Harford Glen
- The interactive map has such a huge selection of locations in Harford County to choose from. It was so much fun picking and planning our destinations!
- around Susquehanna state park
- The little Gunpowder off Rt 40 or Rt 7
- Other areas of gunpowder

What did you like or dislike about the Poker Run?

- It was fun to go to all the places
- Was a fun day, just wish there had been more warning about length of hikes for certain locations. We would have planned a bit better for those
- I did not participate in the Poker Run
- Would like it to be over one and not one day.
- Loved just visiting
- The Summer Streams program is great--it gives participants a goal of getting out to visit awesome locations, and keeps the participant focused on getting out there!
- The trail at sweet air was a little long, especially for older people who want to participate.
- I only did it once because it was hard to do multiple locations with a toddler
- Loved the beautiful scenery
- Didn't participate
- Location, rules, vendors, giveaways, prizes were all great! The t-shirts were really cool!
- I like how we were inspired to visit places we had not yet been to for the he stream selfie program.

- Anywhere in Harford Co would be beautiful
- Loved all of the locations this year!!!
- Offer more options in both the southern and northern ends of the county so that the participants have more options to choose from.
- Annie's Playground was a good site.
- Flying point park
- None in particular- thought this year's locations were great.

- Like: self-paced, easy to navigate, well organized
- I loved that there are so many options for streams in the area.
- Not enough time to wander!
- My family had been hiking in that section of the Gunpowder all spring so it was a fun visit to it and is always fun to run into friends I haven't seen in a while doing it.
- found a new park
- We enjoy seeing new locations we haven't visited before.
- We really liked talking to the people involved with the stream restoration site at Annie's Playground. We also liked the basic concept of the best poker hands win.
- I liked getting out and exploring new streams I have never been to in Harford County! The t-shirts were fantastic!
- Liked mix of shorter and longer trails, and trail distance was noted on form.

Did you like the photo submission process and what would you recommend to improve it?

- It was good
- The site wasn't entirely user friendly and got overloaded once all of the other users posted as well. Maybe offer a map with only the current user's photos?
- It was easy to submit pictures especially in the evening hours. During weekend days it was slow to load maybe because many other users were using at the same time.
- Yes

- Yes
- The photo submission process is great--you can see your own and other participants pictures and check out their comments.
- Yes
- It was fine
- It could have been my phone, but the map location system suggested many weird out of country places.

- Liked photos but since you needed to send out further instructions or explanation clearly it could be more user friendly. Especially for older folks who may not be too tech savvy.
- It was difficult to find the link and log a location in
- Yes
- It was fine. Perhaps an online portal to upload vs email
- Yes! It was so easy to use.

Do you have any other comments, suggestions or concerns?

- This was a first year and we loved everything about it. It helped us expand our scope and realized how beautiful our county is!
- I thought this survey was for the summer streams campaign
- Our family and dog love the Harford Streams Summer Adventure Program. It gave us an agenda to get to locations, and we look forward to participating next year!
- I like the regular t-shirts for men, and children and smaller tank tops for women.
- It would be nice if you did a different activity for families with small children
- This was fun
- Enjoyed program and found several places I didn't know existed. Good work.
- This was such a fun outdoor activity especially during covid. It introduced us to many

- Kind of clunky
- The mapping isn't very useful but the submission system works.
- it is good as is
- Try to make it more like a Facebook post.
- We liked the photo submission process.
- Easy to send an email; possibly idea to use Pallet for community photo submissions
- It's fine No love the prizes already

previously unfamiliar streams and parks and providing many cherished memories for us and our granddaughter. It also raised our awareness of the importance of our streams and watershed.

- Thank you for a fun program our family enjoyed!
- Great event. Look forward to the next one
- None. Thank you! We had a blast.
- No, it was fun :-)
- Water stations along the way would be great!!
- We enjoyed it
- Not sure if we could make the Poker Run in May. It is a busy month for us.
- Thanks for putting on a great program!
- Late spring or early fall would be good times as it was very hot this year. Otherwise, great time and plan to participate again!

Would you attend the Poker Run if it was in May?

- | | | |
|-------|--------|-------|
| • Yes | • Yes, | • Yes |
| • Yes | • Yes | • No |
| • Yes | • Yes | • Yes |
| • No | • Yes | • Yes |
| • Yes | • No | • Yes |

- | | |
|-------|-------|
| • Yes | • Yes |
| • Yes | • Yes |
| • Yes | • Yes |
| • Yes | • Yes |
| • Yes | • Yes |

Advertising Statistics

How did you hear about the Summer Adventure?

- Social Media – 36.3%
- Friends or Family – 28.7%
- Poster, Flyer or Palm Card – 24.5%
- Harford County Website – 14%
- Harford County Public Library or Schools – 9.2%
- Tabling Event - 0.6%

Harford Streams Summer Adventure 2021

Goals/Ideas

Things to enhance our program next year include:

- Palm Cards
 - Add "out of state or county" underneath citizens of all ages
 - Add "photo of T-shirt"
- Use the review map and dashboard for all data
- Kelly's idea "write a question on Seymour, hide at locations, FB post with picture and instructions."

Location Possibilities

- HCC Headwaters
- Heavenly Waters
- Mount Royal
- Albert B. Hilton/Havre de Grace

T-Shirts

- Orange Shirt or Tie Die
- T-shirt graphic (need suggestions)?



Summer Adventure Poker Run 2021

Goals/Ideas

- Propose kicking off Saturday, May 22, 2021, 9am to 12:30pm (exhibitors 11-1)
- Memorial Day weekend is May 28 – May 31.

Average Temperatures for Baltimore

Month	Low	High
May	51.8°F	73.9°F
Jun	60.8°F	82.7°F
Jul	65.8°F	87.2°F

- Give out stickers or other small prizes for kids at each location
- Scavenger Hunt

Prizes

- Tank tops
 - Black and white on 1 side \$7.95
 - Maybe tie dye them when they get back to wait for prizes
 - Sizes AM, AXL, YS, YL
 - No year so we could reuse like the bandanas if needed
- No T-shirts or Tank tops just have Additional Prizes
 - 1st, 2nd, 3rd, low hand
 - Youngest Participant
 - Oldest Participant
- Kids have their own cards of fish with colors and numbers

Host Location for Poker Run

- City of Havre de Grace building and parking lot, 711 Pennington Ave, Havre de Grace, MD 21078

Locations for Poker Run

- 4 or 5 locations throughout Havre de Grace (walking, no driving)

Exhibitors

- Charles Robbins - Office on Drug Control Policy
- Harford Land Trust - Kristin Kirkwood
- Susquehannock Wildlife Society - Scott McDaniel
- WSA – Kelsey Brooks
- Harford Soil Conservation District – Leslie Zink
- Visit Harford – Greg Pizzuto
- Marshy Point Nature Center - Ginny Elliott – Animal Talk with the owl
- WaveCrest- Russel Hurd
- Kona Ice
- Gunpowder Riverkeeper – Theaux Gardeur

New Exhibitors

- Master Gardeners – Anne Bredlow and Maureen North
- Spa Water – Jennifer Cravens – UMD Extension office
- Frank Lopez – DNR
- Marshy Point Nature Center - Ginny Elliott – Animal Talk with the owl
- WaveCrest- Russel Hurd
- Wendy Doring – Recycling Office



BARRY GLASSMAN

HARFORD COUNTY EXECUTIVE

FOR IMMEDIATE RELEASE

May 20, 2020

For more information, contact:

Cindy Mumby

Director of Governmental & Community Relations

410-340-5376

camumby@harfordcountymd.gov

Picture Yourself Enjoying Harford Streams Summer Adventure: Visit Harford Streams, Send in Selfies, Win Prizes

BEL AIR, Md., (May 20,2020) - Explore the natural beauty of Harford County streams this summer, take selfies at your favorite locations and win prizes in Harford Streams Summer Adventure, a program from the Harford County Department of Public Works' Office of Watershed Protection and Restoration.

Harford Streams Summer Adventure raises awareness and support for protecting natural resources by encouraging residents to visit Harford's scenic waterways. Harford County residents of all ages are welcome to join in the program, which will be open May 22 through September 7, 2020.

Participation is easy. Simply register and choose places to visit from the list of Harford stream locations, with the option of substituting up to five locations of your own. Use Harford Streams' online app to send in selfies from seven different locations to earn a free Harford Streams Summer Adventure T-shirt. All participating furry friends will receive a bandana.

Visit 11 locations for a chance to win a guided pontoon boat ride on Otter Point Creek at the Anita C. Leight Estuary Center; visit 15 spots for a chance at a canoe trip on Deer Creek at Eden Mill Nature Center.


"We treasure Harford County's streams and we want to raise awareness about preserving them for future generations," County Executive Barry Glassman said. "I hope you'll join me this summer in visiting and revisiting some of these special places in our own backyard."

Visit the county website today to register for the program, view a complete list of Harford stream locations and start uploading selfies with a stream in the background to qualify for prizes at <http://bit.ly/HSSummerAdventure>.



Harford Streams Summer Adventure T-shirt

 Like us on Facebook <https://www.facebook.com/HarfordCountyMD> | 

 Follow us on Twitter [@HarfordCountyMD](https://twitter.com/HarfordCountyMD)

###

Harford Streams SUMMER ADVENTURE 2020



Barry Glassman
County Executive



Harford County Residents

VISIT
HARFORD
STREAMS

TAKE
SELFIES

WIN
PRIZES!

7 locations = Free T-shirt (and dog bandana)

11 locations = Drawing for a pontoon boat ride

15 locations = Drawing for a canoe trip

Register and upload your selfies with comments here:

bit.ly/HSSummerAdventure



Follow us and check out your selfies!



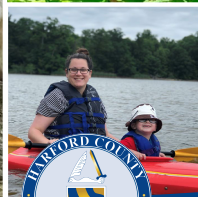
Harford Streams



@HarfordCountyMD

For more information please call Harford County Department of Public Works at 410-638-3217 x2448

Harford Streams SUMMER ADVENTURE 2020



For Harford residents of all ages

VISIT
HARFORD
STREAMS

TAKE
SELFIES

WIN
PRIZES!

7 LOCATIONS =

Free Summer Adventure T-shirt
(and dog bandana)

11 LOCATIONS =

Drawing for a pontoon boat ride

15 LOCATIONS =

Drawing for a canoe trip

Registration begins May 22

4 Simple steps to participate

1. Register at bit.ly/HSSummerAdventure
2. Visit Harford County streams below
3. Take a selfie with a stream in the background
4. Upload your pictures by September 7, 2020



Summer Adventure Locations:

Anita C. Leight Estuary Center
Bynum Run Stream
Concord Point Lighthouse
Conowingo Dam
Deer Creek at Sandy Hook Road
Dublin Dell Park
Eden Mill Nature Center
Flying Point Park
Forest Greens Park
Foster Branch Stream Restoration
Hidden Valley Nature Area
Jerusalem Mill Village
Lapidum Boat Launch
Ma & Pa Heritage Trail at Liriodendron
North Park Loop Trail (Joe K's Trail)
Palmer State Park
Rocks State Park Parking at Ma and Pa Area
Susquehanna State Park at Craigs Corner Road
Susquehanna State Park at Quaker Bottom Road
The Promenade in Havre De Grace (Boardwalk)

Or substitute up to 5 locations of your own!



Barry Glassman, County Executive

Follow us and check out your selfies!



Harford Streams



@HarfordCountyMD, add #HarfordStreams

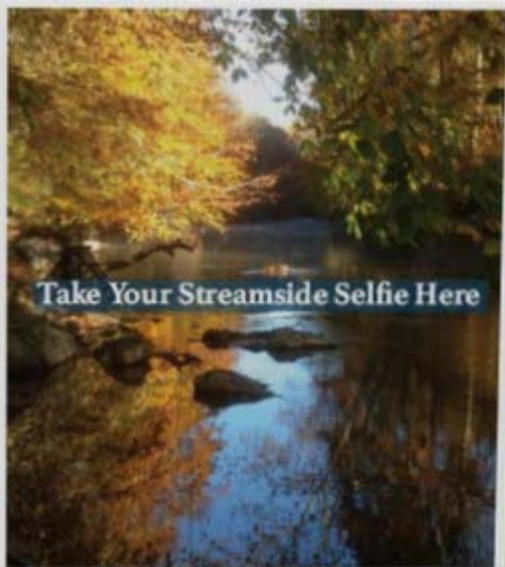
For more information please call Harford County
Department of Public Works at 410-638-3217 x2448

Harford  Streams
Green Choices. Healthy Streams.

Summer Adventure




HARFORD
COUNTY
DEPARTMENT OF WATER



Take Your Streamside Selfie Here

Register at bit.ly/HSSummerAdventure

Harford Streams SUMMER ADVENTURE 2020



**VISIT HARFORD STREAMS
UPLOAD SELFIES & COMMENTS
WIN PRIZES!**

Click here to register

Program for all ages runs May 22 - September 7



**Barry Glassman
County Executive**

2.5' x 4' vinyl banners - outdoor, grommets with reinforcement



Harford  **Streams**
Green Choices. Healthy Streams.

Summer Adventure

Memorial Day
through
Labor Day

Register at
bit.ly/HSSummerAdventure


HARFORD
COUNTY
PUBLIC WORKS



BARRY GLASSMAN

HARFORD COUNTY EXECUTIVE

FOR IMMEDIATE RELEASE

July 9, 2020

For more information, contact:

Cindy Mumby

Director of Governmental & Community Relations

410-340-5376

camumby@harfordcountymd.gov

Deal Yourself In for Harford Streams Summer Adventure “Poker Run” July 18

BEL AIR Md., (July 9, 2020) - Back by popular demand, Harford County’s annual “poker run” will be held on Saturday, July 18 as part of Harford Streams Summer Adventure 2020. This free, award-winning program is open to county residents of all ages and raises awareness and support for protecting local waterways.

Poker run participants take selfies and collect playing cards from an attendant at designated stream locations to earn a free T-shirt and be eligible for other exciting prizes. Harford County’s poker run is presented in partnership with the nonprofit Visit Harford!, the county’s destination tourism marketing organization.

Poker run participants should register between 8:30 and 9:30 a.m. at Annie’s Playground, 864 Smith Lane in Fallston, and return by 12:30 p.m. to collect their T-shirt and dog bandana for participating furry friends. In between they’ll visit the other two stream locations: Liriodendron Lower Lot trail and Gunpowder Falls State Park Sweet Air Area.

Participants who collect the top three poker hands will win extra prizes, including a YETI Roadie 20 cooler, a GoSports BattleChip Match game kit, and an iLive waterproof floating bluetooth speaker. New this year, the lowest hand will receive a YETI Rambler 26-ounce bottle with Chug Cap with Harford Streams logo.

Kona Ice will be on-site and discount coupons will be distributed at registration. Exhibitors at Annie’s Playground will include Harford Soil Conservation District, Harford County Office of Drug Control Policy, Watershed Stewards Academy, Harford Land Trust, Visit Harford!, Susquehannock Wildlife Society, Gunpowder Riverkeeper and Ecotone.

To prevent the spread of COVID-19, vendors at Annie's Playground will be separated by at least six feet and all attendees should practice social distancing and follow other CDC guidelines.

Participants are also welcome to bring a picnic lunch, enjoy the playground and explore the hiking trails.

"With safety precautions in place, we're excited to bring back this fun event and raise awareness about keeping our wonderful streams healthy for future generations," County Executive Barry Glassman said.

The July 18 poker run is part of Harford Streams Summer Adventure, a summer-long event inviting residents to explore local streams, take selfies at their favorite locations, and send in the photos to win prizes. Pre-registration is required for Summer Streams, which was developed by Harford County Department of Public Works' Office of Watershed Protection and Restoration and runs through Monday, September 7, 2020. Some restrictions apply. To learn more, visit bit.ly/HSSummerAdventure.

For more information, contact Laura Coste' at lmcoste@harfordcountymd.gov or 410-638-3217 x2448. Visit the poker run Facebook event at <https://bit.ly/SAPokerRun2020>.

 Like us on Facebook <https://www.facebook.com/HarfordCountyMD> | 
 Follow us on Twitter [@HarfordCountyMD](https://twitter.com/HarfordCountyMD)

###

JUL
18

Summer Adventure Poker Run (FREE)

Public · Hosted by Harford Streams - Green Choices. Healthy Streams. · 1 co-host pending [?]



Saturday, July 18, 2020 at 8:30 AM – 1 PM

[Edit](#)



Annie's Playground

864 Smith Lane, Fallston, Maryland 21047

[Edit](#)



No tickets

[Add Tickets](#)

Description

[Edit](#)

Summer Adventure Poker Run (cars and bikes)

FREE for everyone of any age from anywhere

Pre registration is not required but it will save you time if you register at bit.ly/HSSummerAdventure.

Begin your adventure at Annie's Playground in Fallston between 8:30am and 10:00am for registration, a score sheet and a list of locations to visit.

Leave yourself plenty of time because score sheets are due back at Annie's Playground by 12:30pm.

Participants will visit all locations and take selfies while collecting one playing card from an attendant at each site. All participants who complete the poker run will earn a T-shirt. All dogs will receive a dog bandanna.

Locations are Annie's Playground, .

Prizes will be announced at 12:45 and you must be present to win.

Grand Prize - YETI Roadie 20 Cooler

2nd Place - ALPHA CAMP 6 - 10 Person Family Camping Tent

3rd Place - Daiwa D-Wave Saltwater Spinning Combo Fishing Rod

Low Hand Prize - YETI Rambler 30 OZ Tumbler with Mag Slider Lid

Residents of all ages from Harford and neighboring counties are eligible to participate. Kona Ice will be available for purchase and discount coupons will be distributed at registration. Please feel free to bring a picnic lunch, enjoy the nature center and explore the hiking trails throughout the park!

Exhibitors below will be at Annie's Playground from 11:00-1:00.

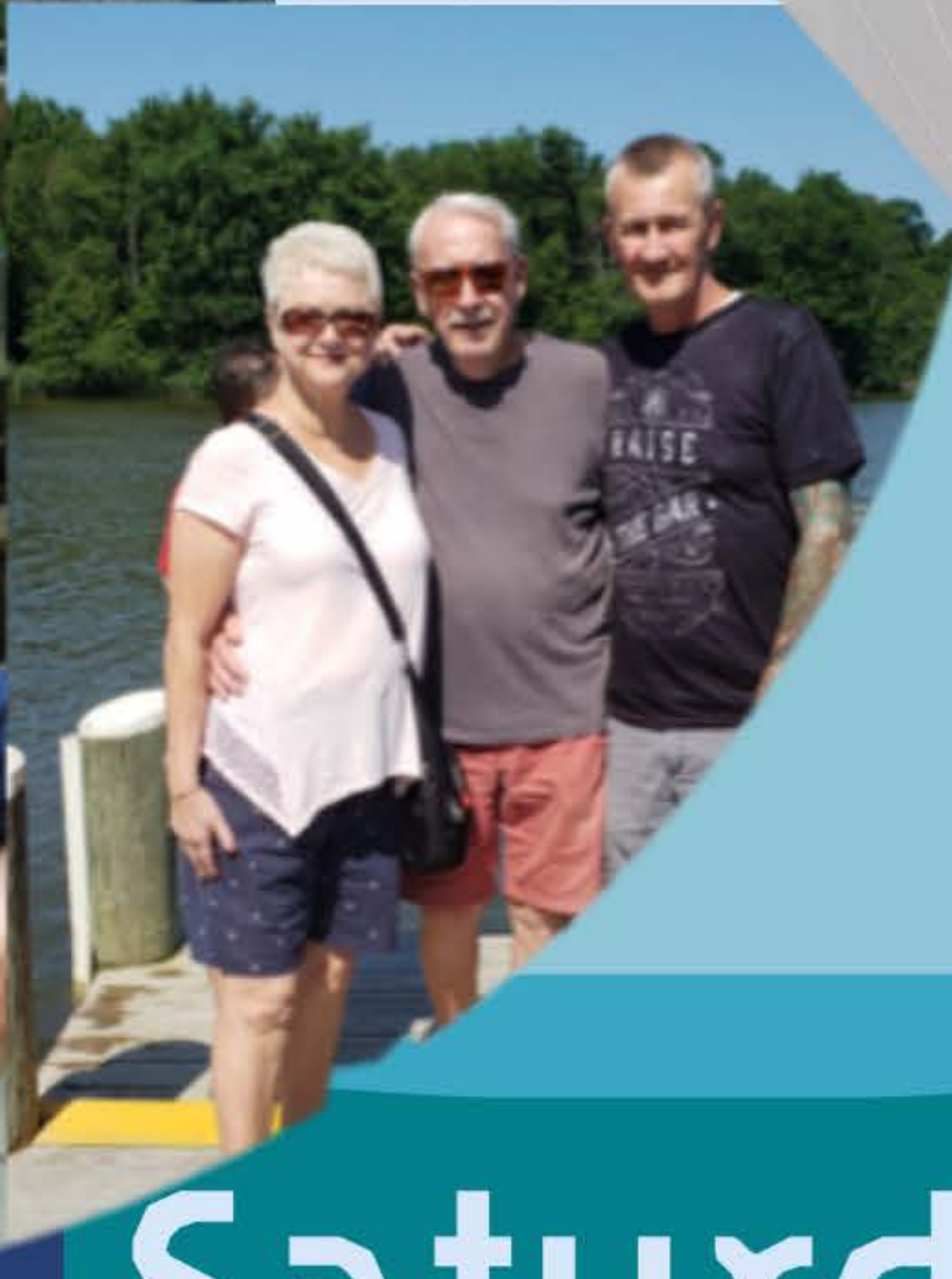
- Visit Harford
- Myrtle the Recycling Turtle
- Marshy Point Nature Center - An animal talk with a live owl
- Seymour Clearwater
- Harford Soil Conservation District
- Brayden Staron our poster child for Summer Adventure
- Watershed Stewards Academy
- Office on Drug Control Policy
- Harford Land Trust
- WaveCrest
- Susquehannock Wildlife Society

Any questions, contact Laura Coste' at lmcoste@harfordcountymd.gov or 410-638-3217 x2448.



2020 HARFORD STREAMS SUMMER ADVENTURE

POKER RUN



1. Register between 8:30-9:30 A.M. at Annie's Playground

2. Visit Harford Streams locations, take a selfie, and collect playing cards

3. Return to Annie's Playground to get your free T-shirt

4. The top three poker hands will win extra prizes!

Saturday, July 18

8:30 A.M. - 1:00 P.M.

Annie's Playground
864 Smith Lane,
Fallston, MD 21047

Summer Adventure



Thank you partners!



MK Consulting Engineers



www.mkconsultingengineers.com

UNIVERSITY OF
MARYLAND
EXTENSION

Solutions in your community



WaveCrest



Harford County Office of Drug Control Policy



Concord Baptist Church Retreat Ctr

Baptist Church • Campground





BARRY GLASSMAN

HARFORD COUNTY EXECUTIVE

FOR IMMEDIATE RELEASE

October 16, 2020

For more information, contact:

Cindy Mumby

Director of Governmental & Community Relations

410-340-5376

camumby@harfordcountymd.gov

Harford Streams Summer Adventure 2020 Participation Prize Winners Announced

BEL AIR, Md. (Oct. 16, 2020) - Participation in the fifth annual Harford Streams Summer Adventure soared to over 1,000 citizens in 2020, raising awareness and support for protecting Harford County's natural waterways.

Developed by Harford County government's Watershed Protection and Restoration Office, this award-winning program encourages citizens of all ages to take selfies at various locations, write a brief comment about their experiences and enter to win T-shirts and other prizes. A free app allowed participants to easily upload photos, enter locations using GIS and submit their comments.

Four hundred and forty-one adventurers qualified for a free T-shirt by visiting at least seven Harford stream locations. Those who visited at least 11 locations qualified for a drawing to win a pontoon boat trip for 15 people in and around the Bush River and Otter Point Creek. The boat trip was donated by the Anita C. Leight Estuary Center. This year's winner was the Siegel family of Bel Air.

A canoe trip for 16 people at Eden Mill Nature Center was the prize in a drawing for participants who visited at least 15 locations. The Castillo family of Belcamp and their furry friends won the trip, donated by the Eden Mill Nature Center.

A highlight of the program was the "poker run" held in July. More than 130 participants started at Annie's Playground in Fallston by collecting playing cards and learning about the stream restoration project from Harford County staff and Ecotone. Next stops were Gunpowder Falls State Park Sweet Air Area and the Liriodendron Lower Lot Trail. The poker run concluded back at Annie's Playground where participants turned in their poker hands and enjoyed snacks, shaved ice from Kona Ice, received T-shirts and other prizes, with support from Visit Harford, Harford County Office of Drug Control Policy, Harford Soil Conservation District, Harford Land Trust, Susquehannock Wildlife Society, Watershed Stewards Academy, Gunpowder Riverkeeper, and Ecotone.

Prizes for the poker run were a Yeti Roadie 20 Cooler donated by MK consulting Engineers, a GoSports Battlechip Match game kit, and iLive Waterproof Floating Bluetooth Speaker and a YETI Rambler 26 OZ Bottle with Chug Cup with Harford Streams logo. All participants received T-shirts donated by Visit Harford. Harford County Parks and Recreation provided the venue.




Harford County officials recognize the Castillo family. Pictured from left: Laura Mrugalski; Laura Coste; County Executive Barry Glassman; Oliver and Amy Castillo and their dogs, Stanley Louis and Eleanor Louise; Billy Boniface and Christine Buckley



Harford County officials recognize the Siegel family. Pictured from left: Laura Mrugalski; Laura Coste; County Executive Barry Glassman; Allen Siegel; Billy Boniface and Christine Buckley

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City Nature Challenge Harford County



The City Nature Challenge is a collaborative effort among cities across the globe to see which city can find and document the most plants and wildlife over a four-day period. Harford County falls within the Baltimore Metropolitan area, so anything logged within our county counts! Be part of this international event by visiting one of our information tables, signing up for a program, or exploring on your own!

TAKING PART IS EASY!



FIND WILDLIFE

Any wild living thing (plant or animal) seen in the Baltimore metro area.



TAKE A PICTURE OF WHAT YOU SEE

Be sure to note the location of the critter or plant.



SHARE YOUR OBSERVATIONS

Upload your findings through [iNaturalist.org](https://www.inaturalist.org) on their website or the free app.

See the back for
details on the
information
tables and
programs!

The Baltimore Metropolitan Area CNC is organized by the National Aquarium in Baltimore, with Harford County events created in collaboration with Anita C. Leight Estuary Center, Eden Mill Nature Center, and Otter Point Creek Alliance.

Take the
**City
Nature
Challenge
2021**

April 30–May 3



To learn more and sign the pledge to participate, visit aqua.org/baltimore-cnc

Information Table Sites

If you want to explore on your own, visit one of our information sites to learn more about the challenge, how to use iNaturalist, and where to wander in the park!

Park Location	Date	Visit Anytime Between:	Where to Find the Information Table
Mariner Point Park	Fri. April 30	1:00 pm to 3:00 pm	Taylor Creek Pavilion
Eden Mill Nature Center	Sat. May 1	9:00 am to 3:00 pm	Eden Mill Nature Center Deck Entrance
Anita C. Leight Estuary Center	Sat. May 1	10:00 am to 4:00 pm	Building Entrance @ ACLEC
Harford Glen	Sat. May 1	11:00 am to 3:00 pm	Pond by Entrance Road
Mariner Point Park	Mon. May 3	1:00 pm to 3:00 pm	Taylor Creek Pavilion

Programs to Attend

If you'd like to be part of a naturalist-led program, find one that interests you and follow the details on where to register. Space is limited so sign up soon!

Location	Program	Date & Time		Registration Details
Eden Mill Nature Center	Habitat Walk	Fri. April 30	2:30 to 4:00 pm	<u>Harford County Parks and Rec Website</u>
Anita C. Leight Estuary Center	Kayak Cruising on the Creek	Fri. April 30	10:00 am to 12:30 pm	<u>Harford County Parks and Rec Website</u>
Anita C. Leight Estuary Center	Critter Cruise Pontoon	Fri. April 30	11:00 am to 12:30 pm	<u>Harford County Parks and Rec Website</u>
Anita C. Leight Estuary Center	CNC Fish Seining	Fri. April 30	3:00 to 4:00 pm	<u>Harford County Parks and Rec Website</u>
Anita C. Leight Estuary Center	CNC Canoe Trip	Sat. May 1	2:00 to 4:30 pm	<u>Harford County Parks and Rec Website</u>
Bosely Conservancy	CNC Hike	Sun. May 2	9:00 am to 11:00 am	Call 410-612-1688
Eden Mill Nature Center	Habitat Walk	Mon. May 3	2:30 pm to 4:00 pm	<u>Harford County Parks and Rec Website</u>
Anita C. Leight Estuary Center	CNC Hike	Mon. May 3	1:00 pm to 2:30 pm	<u>Harford County Parks and Rec Website</u>



ACLEC In-Person 24th Wade In Festival

Saturday, June 5th 2021

1:00 pm to 4:00 pm



- ❖ Free Canoeing
- ❖ Live Music
- ❖ Fish Seining
- ❖ Live Animals
- ❖ Fish Printing
- ❖ Meet DPW's "Seymore Clearwater"
- ❖ Fun with Water Chemistry
- ❖ Decoy Carving Demonstration
- ❖ Crafts & Activities



****RESERVATIONS REQUIRED****

- ❖ Call 410-612-1688 to reserve a time slot
- ❖ \$5/car, pay at the gate

9



WEDNESDAY, JUNE 9, 2021 AT 6 PM – 7 PM

Watershed Stewards Academy Information Session

McFaul Center

Insights

[About](#) [Discussion](#)

Invite

Edit

...



Details

14 people responded

Event by Harford Streams - Green Choices. Healthy Streams.

McFaul Center

Duration: 1 hr

Public · Anyone on or off Facebook

Do you care about the creek running through your backyard or park? Do you want to help reduce local flooding? Consider becoming a Harford County Master Watershed Steward! Stewards become leaders in their community, helping to improve the health and function of local streams and the Chesapeake Bay. Do you want to learn more about the program? Join us for a short presentation about the program followed by a Q&A session.

Join us in Room 4 of the McFaul Activities Center!

For more information or to apply visit bit.ly/WatershedStewards. If you have any questions, please contact Laura Coste' at 410-638-3217 x2448 or wsa@harfordcountymd.gov.

#HarfordStreams

Harford County Government See less

Insights

Last 7 Days: Dec 21 - Dec 28



People Reached

450

+0 last 7 days



Responses

14

+0 last 7 days



Audience

Women 35-44

18% of total reach



Track ticket sales

Track ticket sales on your next event by adding a ticket link

[See more](#)

Forest Hill Elementary Garden Day

Master Schedule:

8:20 Arrive at Forest Hill Elementary School

- Organize plants by the different garden plots
- Set up sunflowers and other two stations

9:00-9:45 5th grade (10 minute stations)

Teachers

Manger 18-
(A, B, C, D)

McMaster 17-
(B, C, D, A)

Reinartz 17-
(C, D, A, B)

Wittelsberger 20-
(D, A, B, C)

Triller- 2

A. **Planting** (Christine, Michele, Scott, Germaine)

B. **Sunflower** (Wendy, Intern)

- Sunflower planting
- We will have drawing paper and the teachers will bring their own crayons for the students to color what they predict their future sunflower will look like

C. **Pollination** (Kelly, Laura)

- Pollination demonstration snowball activity
- Pollinator life cycle matching game

D. **Leaf identification** (Fran, Rose)

- Leaf identification relay race
- We will have the leaf booklets to look through as well

9:45-10:25 4th grade (12 minute stations)

Teachers

Flickinger 22-
(A, B, C)

Stefanik 23-
(B, C, A)

Yekstat 23-
(C, A, B)

Triller 2

A. **planting** (Christine, Michele, Scott, Germaine, Rose)

B. **Sunflower** (Wendy, Intern)

- Sunflower planting
- We will have drawing paper and the teachers will bring their own crayons for the students to color what they predict their future sunflower will look like

C. **Pollination** (Kelly, Laura, Fran)

- Pollination demonstration snowball activity
- Pollinator life cycle matching game

10:30-11:00 3rd grade (9 minute stations)

Teachers

Harbaugh 17-
(A, B, C)

Redding 18-
(B, C, A)

Underwood 21-
(C, A, B)

Triller 2

Syester 1

A. **Planting** (Christine, Michele, Scott, Germaine, Rose)

B. **Sunflower** (Wendy, Intern)

- Sunflower planting
- We will have drawing paper and the teachers will bring their own crayons for the students to color what they predict their future sunflower will look like

C. **Pollination** (Kelly, Laura, Fran)

- Pollination demonstration snowball activity
- Leaf identification relay race

11:00-11:45 lunch break

11:45-12:20 kindergarten (8 minute stations)Teachers

Cuneo 17-
(A, B, C, C)

Dawson 16-
(B, C, C, A)

Harris 16-
(C, A, B, C)

Schnitker 16-
(C, C, A, B)

Hackett 3

A. Sunflower (Wendy, Intern, Germaine)

- Sunflower planting
- We will have drawing paper and the teachers will bring their own crayons for the students to color what they predict their future sunflower will look like

B. Pollination (Kelly, Laura, Fran)

- Pollination demonstration cotton ball activity
- Pollination demonstration snowball activity

C. Leaf identification (Christine, Michele, Scott, Rose)

- Leaf identification relay race (class vs class)
- We will have leaf booklets to look through as well

12:20-12:50 break for schedule crossover

12:50-1:30 2nd grade (8 minutes a station)Teachers

Cook 20-
(A, B, C, C)

Damico 17-
(B, C, C, A)

Harrity 22-
(C, A, B, C)

Scanlon 23-
(C, C, A, B)

Syester 1

A. Sunflower (Wendy, Intern, Germaine)

- Sunflower planting
- We will have drawing paper and the teachers will bring their own crayons for the students to color what they predict their future sunflower will look like

B. Pollination (Kelly, Laura, Fran)

- Pollination demonstration cotton ball activity
- Pollination demonstration snowball activity

C. Leaf identification (Christine, Michele, Scott, Rose)

- Leaf identification relay race (class vs class)
- We will have leaf booklets to look through as well

1:30-2:00 1st grade (9 minutes a station)

Teachers

Arrison 17-
(A, B, C)

Serio 18-
(B, C, A)

Williams 17-
(C, A, B)

Syester 1

A. Sunflower (Wendy, Intern, Germaine)

- Sunflower planting
- We will have drawing paper and the teachers will bring their own crayons for the students to color what they predict their future sunflower will look like

B. Pollination (Kelly, Laura, Fran)

- Pollination demonstration cotton ball activity
- Pollination demonstration snowball activity

C. Leaf identification (Christine, Michele, Scott, Rose)

- Leaf identification relay race (class vs class)
- We will have leaf booklets to look through as well

Clean up

Extra activities: sunflower yoga, pollinator life cycle matching game

- **Pollinator Life Cycle Matching Game**

- Directions:

Materials:

- Deck of pollinator life cycle cards
 - Optional: timer

- Give each student a different card. The card will have a pollinator at a different part of its life cycle. You May need to play if there is an odd number in the class
- Start a timer and have them race to find their partner or group as fast as they can.
- Try to beat their class record and you can keep track of times throughout the classes to compare and make it more of a competition.
- Start off with pairs of two then you can increase difficulty by adding more stages of the life cycle

- **Leaf Identification Relay Race**

- Directions:

Materials:

- Leaf Cards
 - Leaf Key
 - Starting cones/ use the leaf key as a starting spot

- Divide the class in groups of 5 or 6 by counting the kids off
- Give them the key leaf sheets and give them a minute to memorize the leaves.
- Explain to them that the object of this race is to run up the the 'leaf pile' and find a leaf that you team has not already collected.
- Students can only go one at a time in their groups and pick up one card at a time
- When they think they have collected all 6 leaves they will sit down and the adult can check
- Variations: Younger kids can bring the leaf key up with them to help them find the leaves, older kids have to try to remember what leaf they are looking for, if they grab the wrong leaf they must return it to the pile before the next kid can run or the next kid just returns it while they run to get a new leaf, harder variation: the kids must announce what leaf they grabbed and be correct before bringing it back to their team, could allow younger kids to run in teams of two
- When there is two classes, still divide between classes but also have a class vs class competition.

- **Sunflower yoga**

- Directions: We will guide the children through the life cycle of a flower with fun and easy yoga poses and dancing

- "Pretend to be a seed" = Childs Pose, sit back on your heels and bring your forehead down to rest on your knees. You are a seed in the garden
- "Now we are going to use stretch out our arms and drum our fingertips of the ground in front of us. That's the rain that is germinating us so we can start to grow"
- "Let's start growing! How far can you reach in the sky? = stand up and reach for the stars. But remember plants grow very slow so you have to pretend to grow in slow motion"
- "The sun is shining and now let's bloom!" = stretch out your arms and wave your hands in the air
- "OK now that your flowers, what kind of animals do you want to come pollinate you?" go around to all the children and once they say a pollinator (They can repeat) and once they say their pollinator tell them to shake out their seeds and do a little dance











Harford Streams - Green Choices. Healthy Streams.

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Daily data is recorded in the Pacific time zone.

1W 1M 1Q



Total Page Likes: 1,669

Create post



BENCHMARK

Compare your average performance over time.

Total Page Likes

Date	Total Reach	Organic	Paid
1-Jul	1214	1214	0
2-Jul	646	646	0
3-Jul	347	347	0
4-Jul	1262	1262	0
5-Jul	415	415	0
6-Jul	272	272	0
7-Jul	387	387	0
8-Jul	424	424	0
9-Jul	323	323	0
10-Jul	785	785	0
11-Jul	277	277	0
12-Jul	1260	1260	0
13-Jul	559	559	0
14-Jul	1133	1133	0
15-Jul	738	738	0
16-Jul	474	474	0
17-Jul	349	349	0
18-Jul	138	138	0
19-Jul	953	953	0
20-Jul	224	224	0
21-Jul	398	398	0
22-Jul	465	465	0
23-Jul	334	334	0
24-Jul	219	219	0
25-Jul	99	99	0
26-Jul	1148	1148	0
27-Jul	1221	1221	0
28-Jul	397	397	0
29-Jul	971	971	0
30-Jul	1288	1288	0
31-Jul	507	507	0
1-Aug	205	205	0
2-Aug	1368	1368	0
3-Aug	480	480	0
4-Aug	294	294	0
5-Aug	252	252	0
6-Aug	1543	1543	0
7-Aug	486	486	0
8-Aug	169	169	0
9-Aug	841	841	0
10-Aug	402	402	0
11-Aug	214	214	0
12-Aug	392	392	0
13-Aug	1026	1026	0
14-Aug	516	516	0
15-Aug	256	256	0
16-Aug	923	923	0
17-Aug	223	223	0
18-Aug	87	87	0
19-Aug	407	407	0
20-Aug	321	321	0
21-Aug	80	80	0
22-Aug	456	456	0
23-Aug	118	118	0
24-Aug	44	44	0
25-Aug	291	291	0
26-Aug	159	159	0
27-Aug	59	59	0
28-Aug	37	37	0
29-Aug	41	41	0
30-Aug	15	15	0
31-Aug	44	44	0
1-Sep	224	224	0
2-Sep	263	263	0
3-Sep	81	81	0
4-Sep	62	62	0
5-Sep	51	51	0
6-Sep	33	33	0
7-Sep	244	244	0
8-Sep	62	62	0
9-Sep	206	206	0
10-Sep	65	65	0
11-Sep	30	30	0
12-Sep	37	37	0
13-Sep	301	301	0
14-Sep	111	111	0
15-Sep	229	229	0
16-Sep	69	69	0
17-Sep	32	32	0
18-Sep	25	25	0
19-Sep	475	475	0
20-Sep	78	78	0
21-Sep	29	29	0
22-Sep	366	366	0
23-Sep	429	429	0
24-Sep	110	110	0
25-Sep	72	72	0
26-Sep	321	321	0
27-Sep	158	158	0
28-Sep	343	343	0
29-Sep	234	234	0
30-Sep	324	324	0
To	36040		

Date	Total Reach	Organic	Paid
1-Oct	166	166	0
2-Oct	85	85	0
3-Oct	58	58	0
4-Oct	235	235	0
5-Oct	59	59	0
6-Oct	126	126	0
7-Oct	133	133	0
8-Oct	44	44	0
9-Oct	36	36	0
10-Oct	17	17	0
11-Oct	11	11	0
12-Oct	149	149	0
13-Oct	205	205	0
14-Oct	49	49	0
15-Oct	18	18	0
16-Oct	35	35	0
17-Oct	30	30	0
18-Oct	306	306	0
19-Oct	341	341	0
20-Oct	191	191	0
21-Oct	53	53	0
22-Oct	37	37	0
23-Oct	22	22	0
24-Oct	283	283	0
25-Oct	205	205	0
26-Oct	71	71	0
27-Oct	234	234	0
28-Oct	236	236	0
29-Oct	84	84	0
30-Oct	43	43	0
31-Oct	31	31	0
1-Nov	328	328	0
2-Nov	217	217	0
3-Nov	238	238	0
4-Nov	60	60	0
5-Nov	40	40	0
6-Nov	21	21	0
7-Nov	118	118	0
8-Nov	189	189	0
9-Nov	56	56	0
10-Nov	240	240	0
11-Nov	287	287	0
12-Nov	140	140	0
13-Nov	66	66	0
14-Nov	45	45	0
15-Nov	20	20	0
16-Nov	144	144	0
17-Nov	270	270	0
18-Nov	119	119	0
19-Nov	44	44	0
20-Nov	34	34	0
21-Nov	27	27	0
22-Nov	29	29	0
23-Nov	156	156	0
24-Nov	70	70	0
25-Nov	67	67	0
26-Nov	45	45	0
27-Nov	24	24	0
28-Nov	21	21	0
29-Nov	239	239	0
30-Nov	203	203	0
1-Dec	53	53	0
2-Dec	244	244	0
3-Dec	187	187	0
4-Dec	58	58	0
5-Dec	168	168	0
6-Dec	65	65	0
7-Dec	172	172	0
8-Dec	161	161	0
9-Dec	59	59	0
10-Dec	29	29	0
11-Dec	22	22	0
12-Dec	10	10	0
13-Dec	11	11	0
14-Dec	146	146	0
15-Dec	58	58	0
16-Dec	238	238	0
17-Dec	72	72	0
18-Dec	35	35	0
19-Dec	25	25	0
20-Dec	15	15	0
21-Dec	142	142	0
22-Dec	45	45	0
23-Dec	179	179	0
24-Dec	29	29	0
25-Dec	25	25	0
26-Dec	31	31	0
27-Dec	170	170	0
28-Dec	251	251	0
29-Dec	61	61	0
30-Dec	152	152	0
31-Dec	58	58	0
	10121		

Date	Total Reach	Organic	Paid
1-Jan	20	20	0
2-Jan	8	8	0
3-Jan	189	189	0
4-Jan	48	48	0
5-Jan	12	12	0
6-Jan	246	246	0
7-Jan	100	100	0
8-Jan	29	29	0
9-Jan	18	18	0
10-Jan	144	144	0
11-Jan	29	29	0
12-Jan	193	193	0
13-Jan	183	183	0
14-Jan	43	43	0
15-Jan	30	30	0
16-Jan	11	11	0
17-Jan	8	8	0
18-Jan	4	4	0
19-Jan	7	7	0
20-Jan	227	227	0
21-Jan	44	44	0
22-Jan	11	11	0
23-Jan	20	20	0
24-Jan	109	109	0
25-Jan	22	22	0
26-Jan	8	8	0
27-Jan	124	124	0
28-Jan	64	64	0
29-Jan	13	13	0
30-Jan	18	18	0
31-Jan	21	21	0
1-Feb	10	10	0
2-Feb	176	176	0
3-Feb	34	34	0
4-Feb	16	16	0
5-Feb	17	17	0
6-Feb	14	14	0
7-Feb	250	250	0
8-Feb	58	58	0
9-Feb	24	24	0
10-Feb	17	17	0
11-Feb	13	13	0
12-Feb	9	9	0
13-Feb	5	5	0
14-Feb	4	4	0
15-Feb	134	134	0
16-Feb	78	78	0
17-Feb	14	14	0
18-Feb	15	15	0
19-Feb	14	14	0
20-Feb	7	7	0
21-Feb	4	4	0
22-Feb	4	4	0
23-Feb	73	73	0
24-Feb	27	27	0
25-Feb	18	18	0
26-Feb	19	19	0
27-Feb	20	20	0
28-Feb	200	200	0
1-Mar	152	152	0
2-Mar	593	593	0
3-Mar	303	303	0
4-Mar	55	55	0
5-Mar	40	40	0
6-Mar	158	158	0
7-Mar	111	111	0
8-Mar	17	17	0
9-Mar	16	16	0
10-Mar	10	10	0
11-Mar	10	10	0
12-Mar	11	11	0
13-Mar	12	12	0
14-Mar	119	119	0
15-Mar	17	17	0
16-Mar	12	12	0
17-Mar	77	77	0
18-Mar	34	34	0
19-Mar	8	8	0
20-Mar	9	9	0
21-Mar	91	91	0
22-Mar	26	26	0
23-Mar	11	11	0
24-Mar	86	86	0
25-Mar	15	15	0
26-Mar	18	18	0
27-Mar	83	83	0
28-Mar	87	87	0
29-Mar	31	31	0
30-Mar	17	17	0
31-Mar	135	135	0
	5641		

Date	Total Reach	Organic	Paid
1-Apr	50	50	0
2-Apr	20	20	0
3-Apr	17	17	0
4-Apr	52	52	0
5-Apr	117	117	0
6-Apr	40	40	0
7-Apr	13	13	0
8-Apr	12	12	0
9-Apr	11	11	0
10-Apr	119	119	0
11-Apr	55	55	0
12-Apr	93	93	0
13-Apr	32	32	0
14-Apr	129	129	0
15-Apr	38	38	0
16-Apr	13	13	0
17-Apr	14	14	0
18-Apr	11	11	0
19-Apr	94	94	0
20-Apr	93	93	0
21-Apr	101	101	0
22-Apr	46	46	0
23-Apr	17	17	0
24-Apr	21	21	0
25-Apr	127	127	0
26-Apr	38	38	0
27-Apr	19	19	0
28-Apr	91	91	0
29-Apr	31	31	0
30-Apr	14	14	0
1-May	215	215	0
2-May	183	183	0
3-May	291	291	0
4-May	71	71	0
5-May	201	201	0
6-May	45	45	0
7-May	9	9	0
8-May	27	27	0
9-May	26	26	0
10-May	425	425	0
11-May	365	365	0
12-May	175	175	0
13-May	80	80	0
14-May	165	165	0
15-May	121	121	0
16-May	608	608	0
17-May	109	109	0
18-May	97	97	0
19-May	45	45	0
20-May	30	30	0
21-May	33	33	0
22-May	22	22	0
23-May	204	204	0
24-May	270	270	0
25-May	373	373	0
26-May	240	240	0
27-May	111	111	0
28-May	91	91	0
29-May	60	60	0
30-May	340	340	0
31-May	719	719	0
1-Jun	255	255	0
2-Jun	97	97	0
3-Jun	46	46	0
4-Jun	476	476	0
5-Jun	268	268	0
6-Jun	68	68	0
7-Jun	32	32	0
8-Jun	175	175	0
9-Jun	128	128	0
10-Jun	33	33	0
11-Jun	1621	1621	0
12-Jun	1617	1617	0
13-Jun	1061	1061	0
14-Jun	675	675	0
15-Jun	444	444	0
16-Jun	164	164	0
17-Jun	54	54	0
18-Jun	48	48	0
19-Jun	306	306	0
20-Jun	129	129	0
21-Jun	54	54	0
22-Jun	58	58	0
23-Jun	86	86	0
24-Jun	37	37	0
25-Jun	675	675	0
26-Jun	504	504	0
27-Jun	126	126	0
28-Jun	211	211	0
29-Jun	1408	1408	0
30-Jun	352	352	0
18487			

Post Message	Type	Posted	Lifetime Post Total Impressions	Lifetime Post Organic Impressions
Harford Streams Poker Run 2020 Fun in the sun is what we are all about! Take advantage of the sunshine by participating in the Harford Streams 2020 Poker Run on Saturday, July 18 from 8:30 A.M. – 1:00 P.M.! This year’s Poker Run will be held at Annie’s Playground. Family and friends of all ages are welcome to explore 3 Harford Streams sites, take selfies, collect playing cards, and win prizes! Everyone that participates will receive a free T-shirt AND the top 3 hands, as well as the lowest hand, will receive extra prizes! You do not have to register beforehand!	Photo	7/2/2020 8:07	2614	2614
🦋🌿 All things Native 🌿🦋 Happy, happy Friday friends! Today’s Maryland native species is the Wood turtle. (Glyptemys insculpta) The wood turtle spends a great deal of time in or near water of wide rivers, preferring shallow, clear streams with sandy bottoms. 🐢 A medium-sized turtle, the wood turtle is about five to six inches in length. It’s most obvious feature, which is also the reason for its name, is its shell. Underneath the shell are orange or reddish legs. While its neck is also orange, wood turtles have a black or speckled head. The lower shell is normally yellow in color. 🐢 Did you know that wood turtles often stomp their legs in an effort vibrate the ground? This action drives the worms to the surface so that the turtle can enjoy a yummy meal! Wood turtles also love to eat all kinds of berries, and will travel distances to get to them, averaging 350 feet a day, quite a long distance for a turtle! 🐢 Another fun fact: The wood turtle is quite an intelligent animal; they have homing capabilities similar to mice. Its mental capacity for directional movement was discovered after the completion of an experiment that involved an individual finding food in a maze.	Photo	7/3/2020 8:07	635	635
Happy Fourth of July from Harford Streams to you! We invite you to spend the day enjoying, exploring, and cooling off at a summer adventure location! We can’t think of a better way to spend the Fourth! Be safe and enjoy this beautiful day! 🎉🎉 Exciting News Friends! 🎉🎉 Chris Hopkinson, born and raised in Annapolis, Maryland, will attempt a 240-mile journey on the Chesapeake Bay via a 14- foot paddleboard in just 9 days! And why would he do such a thing? His goal is to raise \$200,000 for oyster restoration to aid in the health of the bay. The “Bay Paddle” event will take place Sept. 18-26. It will launch from Concord Point Lighthouse in Havre de Grace, Maryland (that is right by us!) and end at Cape Henry Lighthouse, Virginia Beach. Hopkinson explained he never understood the connection between oysters and water quality until he watched an oyster filtering video while helping his daughter with a science fair project. 🌊 After learning that the oyster population is down to a fraction of historical levels, and that they once filtered the entire bay in a matter of days, Hopkinson realized that bringing them back is the single most important thing we can do to help the bay. 🌊 A \$10 donation supports the planting of up to 1,000 juvenile oysters in the Chesapeake Bay! If you are interested in learning more about this exciting event, please visit https://www.baypaddle.org/ To learn more about oyster recovery and the vital impact oysters have on the bay, please visit https://oysterrecovery.org/ <u>Video credit to oysterrecovery.org</u>	Video	7/3/2020 13:07	2254	2254
Hi friends! Summertime is a great time to start some new projects! We know it can be hard to start, or maybe you are not sure how to start. Our watershed stewards are always happy to help with rain barrel projects and rain garden projects. You can consult them for guidance for these projects to learn how to start and lead you in the right direction. After all, who doesn’t like an expert helping hand? Visit the Watershed Stewards page to stay updated on steward projects and to chat with our wonderful stewards! Harford County Watershed Stewards Academy	Text	7/8/2020 8:07	435	435
Happy Friday Harford Adventurers! We are so excited that the Poker Run is only a few more days away, July 18,2020! <u>Come check out what the Poker Run is all about!</u>	Video	7/9/2020 13:07	3408	3408
🦋🌿 All things Native 🌿🦋 Our stunning native species we want to share today is Green-and-gold (Chrysogonum virginianum), pictured on the right. Green-and-gold is a semi-evergreen perennial groundcover that brightens gardens and landscapes with delightful masses of small, radiant, yellow flowers. This native also serves as a foundation for other plants in woodland settings, becoming the foundation for a thriving ecosystem. <u>Its invasive counterpart is the Lesser celandine (Ficaria verna), pictured on the left. This invasive emerges earlier than most of spring plants, taking over the forest floor that allows nothing else to grow.</u>	Photo	7/10/2020 8:07	376	376
Happy Monday Summer Adventurers! This past weekend we saw so many people cooling off and exploring Harford County's amazing streams! <u>Lets take a look at what some of our friends had to say about it!</u> 🦋 The more you know 🦋 Some of you may be asking yourself “why are there fewer butterflies some years?” There are always many factors that can affect populations, but sometimes nature itself is a huge reason for temporary declines. 4 large reasons for population shift include: 1)A long warm spell followed by a heard freeze can kill some caterpillars and chrysalises that have overwintered in the wild. 2)Severe draught prevents host plants from growing. 3)The lack of host plants results in lack of caterpillars which means there is a larger percentage of butterfly predators around for caterpillars that have survived. 4)After a drought, long periods of rain follow which prevent butterflies from flying around and laying eggs; many dying from natural causes before laying eggs. Caterpillars depend on their host plants for every phase of their lives. If the plant is too small, dehydrated, or sparse, butterflies have a more difficult time finding plants to deposit their eggs. If the butterflies do lay their eggs, sometimes this results in the larvae starving since the plant cannot support too many caterpillars. 🦋 There is good news though! The decline of butterflies causes a decline of predators. This creates a safer environment for butterflies the following year, often resulting in butterfly population numbers climbing again. 🦋 <u>Monarch caterpillar and butterfly pictured on butterfly milkweed (Asclepias Tuberosa)</u>	Video	7/13/2020 13:07	1637	1637
🐍🎉 Happy World Snake Day everyone! 🎉🐍 Did you know snakes are threatened by many of the same issues that affect all wildlife? But due to the negative attitudes we have towards them their conservation is really tough! Snakes are misunderstood and don’t deserve the reputation we have given them! We encourage you to be a #SNAKEHERO today and spread some positive messages about snakes! 🐍 Snakes keep the pest population low by eating mice and small rodents that can carry diseases and damage crops! 🐍 Snakes provide food for larger animals like birds, mammals, and even other snakes! 🐍 Snakes help disperse and fertilize seeds! In Maryland we have 27 native snakes and only two of them are venomous! We love them all! <u>Attached are some of our beloved native snakes. see if you can ID them!</u> 🐍	Photo	7/16/2020 12:07	968	968
🎉🌿 Hello Everyone! 🌿🎉 We are super excited for tomorrows Poker Run!📅 Bring all your friends and get ready for a day of exploring and having fun!🎉 We cannot wait to see all of your smiling faces! Its going to be a hot one, so bring some water and cool off in the streams as you go! <u>Registration starts at 8:30 A.M @ Annie's Playground!</u> 🎉🌿 Good Afternoon Summer Adventurers!🌿🎉	Link	7/17/2020 12:07	218	218
We hope you had fun learning, exploring, and spending time with friends and family at our fourth annual Poker Run! We would like to thank our staff, partners, and participants for tackling the heat and joining us on Saturday! If you still haven’t earned your Summer Adventure T-Shirt, it is not too late to sign up for our Summer Adventure Program and submit your 7 Selfies! https://bit.ly/SummerAdventureRegister 💖 You all are the best! 💖 🦋🌿 All things Native 🌿🦋	Video	7/22/2020 9:07	2083	2083
It’s a thrilling Thursday this week because we are moving our All Things Native to Thursdays! To kick off our Thursday native treats, we would like to introduce the American Bullfrog (Lithobates catesbeianus)! 🐸 This beauty is our largest frog and can grow up to 8 inches! Unlike some of our other native frogs, the American Bullfrog does not have dorsolateral ridges. Its back is green and can sometimes be covered with a dark net-like pattern. In contrast, the frog’s belly is pale and plain. 🐸 If you’re trying to find these frogs look around the edges of larger bodies of water and listen for their distinct bass “jug-o-rum” call from late spring through summer! 🐸 This frog is beauty and the beast! The American Bullfrog is a nocturnal predator and eats anything they can fit in their mouth from insects to birds and even snakes. They use their strong hind legs to launch themselves at their prey with mouths wide open! Can you believe they can leap 3-6 feet!! 🐸 Although this creature seems invincible it relies on clean and healthy water to survive. The American Bullfrog, like other amphibians, have really porous skin and respond quickly to changes in the environment. It is important to protect our streams and monitor what is in them to keep these giants thriving!	Photo	7/23/2020 8:07	673	673

<p>The Chesapeake Bay Trust Outreach and Restoration Grant Program is open until August 4th!</p> <p>This program funds projects that both improve communities and improve local natural resources like green spaces, parks, tree canopy, water bodies, and more within the County.</p> <p>This grant program will fund a variety project types, including but not limited to:</p> <ul style="list-style-type: none">• Educating community residents about natural resources and stormwater improvement• Communicating environmental messages that promote water quality• Installing restoration projects such as rain gardens• Implementing meadow plantings <p>To apply community partners must apply to the Trust’s Outreach and Restoration Grant Program at https://cbtrust.org/grants/outreach-and-restoration/</p> <p>Who can apply: Non-profit organizations, community and homeowner associations, faith-based organizations, and more!</p> <p>Remember: The grant program is accepting proposals now through August 4, 2020, there is still time!</p> <p>#harfordstreams</p> <p>Harford County Government</p> <p>Chesapeake Bay Trust</p> <p>This week has been booming with Summer Adventure Selfies!</p> <p>So many people have submitted their 7 Selfies and have earned a 2020 Harford Streams Summer Adventure T-Shirt!!</p> <p>Check out what a few of our friends have been doing and make sure you stay till the end because we have a little surprise for you!</p> <p>🌸🌸Quick Tip:🌸🌸</p> <p>To earn a T-Shirt each participant has to be in a photo at a minimum of 7 locations,</p> <p>The easiest way to document it is a group selfie or multiple pictures!</p> <p>🌱🌱Good Afternoon Summer Adventure Friends!!🌱🌱</p> <p>We’ve heard a lot of Adventures say that our Summer Adventure program has led them to places they’ve never been before!</p> <p>Every year we try to mix up the locations a bit to encourage you all to explore and appreciate as many streams in Harford County as possible!</p> <p>This year we have streams from all edges of our gorgeous, green home!</p> <p>🐸 If you’re stuck on where to go next, watch this video for some inspiration! And, we invite you to comment your favorite stream/ location to relax at!!🐸</p> <p>🌸🌸Thank you for all your support! Have an amazing week!🌸🌸</p> <p>🌱🌱Good Morning Summer Adventurers!🌱🌱</p> <p>During our Poker Run some of our friends painted beautiful rocks for us to hide at our Summer Adventure locations!</p> <p>Below is a guide to finding each rock!</p> <p>https://bit.ly/rockhunt2020</p> <p>🌱 Kind of like our rock hunt treasure map!🌱</p> <p>We invite you to check it out and enjoy this rock hunt regardless of if you painted one or not!</p> <p>If you find one of our painted rocks, take a picture of it and share it with us! Remember, if you find a painted rock, hide it again so the fun can continue!</p> <p>🐸🐸Happy Rock Hunting🐸🐸</p> <p>🌱🌱 All things Native 🌱🌱</p> <p>Welcome back Folks!</p> <p>Today’s native plant in the spotlight has a little tale to go along with it!</p> <p>🕒 In 1773, the American colonists were enraged at Britain for imposing taxes without fair representation. In result, the Boston Tea Party occurred, and the colonists dumped chests of tea imported by the British East India Company into the harbor.</p> <p>(We are also cringing thinking about the water quality that night too!)</p> <p>🕒 The Sons of Liberty needed to think of a replacement quick to gain the support they needed to continue to take stands against England!</p> <p>(This is where our native beauty comes in!)</p> <p>🐝 Bee Balm🐝</p> <p>Monarda didyma, provided American Colonists with a tasty alternative tea called Oswego Tea! Although there is no caffeine in it, it is a great treatment for sore throats and headaches and the oil with the leaves is used to take care of insect bites and relieve bronchial congestion!</p> <p>If you haven’t already fell in love with its funky flowers or historic tale, then plant them in your native gardens and admire the butterflies, bugs, and humming birds that come visit your yard!!</p> <p>🌸🌸Happy Last Day of July!🌸🌸</p> <p>This month has been super exciting for Harford Streams!</p> <p>We had an amazing time at our annual Poker Run with over 4050 families in attendance!</p> <p>The Summer Adventure program is in full swing with an additional 20000 people registering this month and families continuously earning T-Shirts and entries into the canoe and pontoon boat raffles!🍷🍷</p> <p>Let’s keep the ball rolling and go out and explore a place you’ve never been this weekend!</p> <p>Remember to send us that selfie!</p> <p>🐸🐸Thank you for participating!🐸🐸</p> <p>#HarfordStreams</p> <p>Harford County Government</p> <p>🐸🐸Happy Monday Summer Adventure Friends!🐸🐸</p> <p>We had so many selfies submitted to us this weekend! Thank you all for your awesome participation!🐸🐸</p> <p>It is important to remember to give back to the great places you visit!</p> <p>Watch this video for some adventure tips to help protect our streams and wild places!🐸🐸🐸</p> <p>Thank you!!</p> <p>🌱🌱Hello Friends!🌱🌱</p> <p>Come join the #Harford2020Challenge and cover 20 miles on water or 20 miles on land anywhere in the county! This is a great opportunity to support Harford Land Trust's mission of preserving Harford County's most treasured places!</p> <p>They work with landowners to conserve land and protect its natural resources, scenic beauty, rural character, and promote a healthy quality of life in Harford County!</p> <p>AND while you are traveling, do not forget to slow down and take some selfies for our Summer Adventure Program!🌱</p> <p>http://bit.ly/HSSummerAdventure</p> <p>🐸🐸 Let’s Talk About Water Quality🐸🐸</p> <p>During a storm like today, you may be wondering “where is all this rain going?”</p> <p>1) When it rains in natural areas, stormwater is filtered and slowed down by plants and soil then absorbed into the ground.🐸🌱</p> <p>2) When it rains on our impervious surfaces (pavement and roofs), rain races across them, collects pollutants, and travels directly into storm drains. Ultimately polluting our larger bodies of water.🐸🏠</p> <p>In order to minimize runoff and improve water quality we can plant rain gardens! Rain gardens utilize native plants and soil to capture runoff, trap sediment, and absorb nitrogen and phosphorus!</p> <p>Harford Streams and Master Watershed Stewards Class of 2020 – 02 is planning to build a rain garden at the Churchville Recreation Center – Glenville Building! The first step is a percolation test to determine if the site we picked has the correct water absorption rate to hold a rain garden.</p> <p>🐸 Watch this video to learn about how we completed the test and if we are able to build a rain garden here to improve our home’s water quality!!!🐸</p> <p>If you’re interested in more projects with our Watershed Stewards Academy or are thinking about applying please visit</p> <p>http://bit.ly/WatershedStewards</p> <p>Thank you and stay safe!</p> <p>Oh what a happy day!</p> <p>The Great American Outdoors Act was signed into legislation yesterday, August 4th!</p> <p>The purpose is to fund the Land and Water Conservation Fund and support our public lands! Its a win for the environment!♥️🏡🏡🏡</p> <p>🌱🌱 All things Native 🌱🌱</p> <p>You bat-ter believe this native animal is one of the coolest around! We are introducing our first bat, the Little Brown Bat, Myotis lucifugus!</p> <p>🐳 Despite their little name, these bats can have a wingspan of up to 11 inches! To distinguish them from other bats flying around Maryland, you will need to take a good look at their feet. These glossy tan to dark brown furry bats have large feet, with long hairs that extend past their toenails!</p> <p>🐳 If you’re trying to catch a glimpse of this nocturnal native, then I’d suggest doing a little star gazing outside your house and you might see them catching bugs or drinking water from your pool! Little Brown Bats are on the search for Mosquitoes, gnats, wasps, and moths using their echolocation system!</p> <p>🐳 Don’t be alarmed when you see them sneak back into your attic for rest during the hot summer days, they are not making a permanent residency out of your home. It is a summer rest stop for them as they fuel up for mating season then return to a cave for winter hibernation! Bats have a bad reputation, but if these helpful, gentle, natives are really bothering you please don’t deliberately kill them but rather wait till dusk, when they take flight, and repair broken screens or seal off openings in your home!</p> <p>🐳 Thanks for giving bats a chance! And have a great day!🐳</p> <p>#batsareimportant</p> <p>🌱🌱Happy Friday Friends!🌱🌱</p> <p>Summer Adventuring is the perfect way to have fun this summer, but don’t take our word for it, see what our Summer Adventure friends have to say about their adventure and let them convince you!</p> <p>We can’t wait to see where your next summer adventure takes you!🐸🐸🌱</p> <p>If you haven’t started your Summer Adventure yet, it is not too late! register at</p>	Photo	7/24/2020 10:07	276	276
	Video	7/24/2020 13:07	2135	2135
	Video	7/27/2020 13:07	2767	2767
	Photo	7/28/2020 13:07	2349	2349
	Photo	7/30/2020 8:07	734	734
	Video	7/31/2020 13:07	1382	1382
	Video	8/3/2020 13:08	1802	1802
	Photo	8/4/2020 8:08	245	245
	Video	8/4/2020 13:08	2268	2268
	Photo	8/6/2020 8:08	414	414
	Video	8/7/2020 13:08	1651	1651
Watch the first episode featuring Harford Streams Summer Adventure!	Link	8/8/2020 4:08	143	143

<p>🐸🌿Let's Talk About Water Quality🌿🐸</p> <p>🐸Hello! We wanted to spread the knowledge about caring for your lawn with better water quality in mind!</p> <p>🐸Explore this presentation for some of our favorite tips!</p> <p>https://bit.ly/LawnCare4WaterQuality</p> <p>🐸If you are interested in furthering your research, there are mountains of information available on this topic from Maryland Department of Agriculture or Harford County Government!</p> <p>🐸We hope you've learned something new!🐸</p> <p>#HarfordStreams</p> <p>#Waterquality</p> <p>🐸🌿All things Native🌿🐸</p> <p>🐸Yay, its Thursday!🐸</p> <p>We can't wait to share our native of the week, Cardinal Flower or Lobelia cardinalis!</p> <p>Cardinal Flowers (as you probably guessed) have bright, red, beautiful flowers that can get up to 1.5 inches in length. They are a native perennial found throughout the eastern half of the United States.</p> <p>🐸We invite you to take a walk through some of our stream restorations because the Cardinal flowers are in full bloom on the banks.📧</p> <p>Below are some pictures we took at Willoughby Beach Rd! Come check out these four feet tall wildflowers and maybe see a Red-Throated Hummingbird drinking its nectar!</p> <p>You can learn more about our stream restorations on our website: http://www.harfordcountymd.gov/1843/Restoration-Projects</p> <p>🐸Enjoy your day and we hope you find them!🐸</p> <p>#NativePlants</p> <p>🐸Hello Friends!🐸</p> <p>As Summer Adventure continues we've had some adventurers really go above and beyond! This week we are shouting out Bpapp87 for taking selfies at 18 different locations!🐸🐸</p> <p>Can you catch up to Bpapp87?</p> <p>Don't worry there is still plenty of time to submit your pictures and enter the drawings! Good Luck!🐸🐸</p>	Photo	8/11/2020 13:08	474	474
<p>🐸🌿All things Native🌿🐸</p> <p>🐸Yay, its Thursday!🐸</p> <p>We can't wait to share our native of the week, Cardinal Flower or Lobelia cardinalis!</p> <p>Cardinal Flowers (as you probably guessed) have bright, red, beautiful flowers that can get up to 1.5 inches in length. They are a native perennial found throughout the eastern half of the United States.</p> <p>🐸We invite you to take a walk through some of our stream restorations because the Cardinal flowers are in full bloom on the banks.📧</p> <p>Below are some pictures we took at Willoughby Beach Rd! Come check out these four feet tall wildflowers and maybe see a Red-Throated Hummingbird drinking its nectar!</p> <p>You can learn more about our stream restorations on our website: http://www.harfordcountymd.gov/1843/Restoration-Projects</p> <p>🐸Enjoy your day and we hope you find them!🐸</p> <p>#NativePlants</p> <p>🐸Hello Friends!🐸</p> <p>As Summer Adventure continues we've had some adventurers really go above and beyond! This week we are shouting out Bpapp87 for taking selfies at 18 different locations!🐸🐸</p> <p>Can you catch up to Bpapp87?</p> <p>Don't worry there is still plenty of time to submit your pictures and enter the drawings! Good Luck!🐸🐸</p>	Photo	8/13/2020 8:08	573	573
<p>🐸Hello Friends!🐸</p> <p>As Summer Adventure continues we've had some adventurers really go above and beyond! This week we are shouting out Bpapp87 for taking selfies at 18 different locations!🐸🐸</p> <p>Can you catch up to Bpapp87?</p> <p>Don't worry there is still plenty of time to submit your pictures and enter the drawings! Good Luck!🐸🐸</p>	Video	8/14/2020 13:08	1852	1852
<p>🐸🌿All things Native🌿🐸</p> <p>🐸Today we want to share a Maryland native that many times gets a bad rap, but really shouldn't!🐸🌿</p> <p>The American green Crab Spider (Misumessus oblongus) is a sight to see, both because of its bright green and occasionally red characteristics, but also because they are rarely seen!</p> <p>The American Green Crab Spider's geographic range includes only one country and 6 states, Maryland being one of them!</p> <p>The Green Crab Spider is a wandering hunter, climbing up plants, searching for insect prey on flowers, in fields, on grass, and in shrubs.</p> <p>Spiders in general deliver many benefits to both our ecosystem and inside our homes:</p> <ol style="list-style-type: none">1. Spiders feed on pesky insects which help keep insect population in check2. Many insects carry diseases, spiders help to alleviate the spread of diseases3. Through feeding on insects, spiders also prevent the destruction of farmland crops. <p>🐸Fun fact: one spider can eat 2,000 insects in one year! Thank you helpful friends!🐸🌿</p> <p>If you still don't like spiders inside, please take a look through our pictures below to learn how to properly help our friends back outside!</p> <p>🐸Hi summer adventure friends!🐸</p> <p>Labor Day is coming up, only 17 days away! Labor Day is the last day to submit Summer Adventure pictures!</p> <p>If you want a nifty T-shirt, bandanna, a chance to win a pontoon boat ride or a canoe trip, OR even if you just want to explore and share some selfies, summer adventure is the thing for you!</p> <p>It's not too late to get to 7, 11, and 15 locations!</p> <p>Check out our video to see what waits you on your next summer adventure!</p> <p>Register today at bit.ly/HSSummerAdventure.</p> <p>🐸Funky Fungi Finds!🐸</p> <p>Our very own Michele Dobson has found a neat little Fungi on her afternoon walk and we want to introduce everyone to our Fungi Friend. (He's a really Fun-Guy)🐸🐸</p> <p>Please meet the crown- tipped coral fungus (Clavicornora pyxidata) You can find this little guy usually on decayed logs.</p> <p>Some people even venture to eat this fungi; it has a hot, peppery flavor when eaten raw or cooked. We caution you not to eat this fungi, but instead appreciate this "land coral" that looks like it just came out of the sea!</p> <p>Besides being totally cool and funky, Fungi can be very beneficial as well!</p> <p>Fungi:</p> <ul style="list-style-type: none">🐸Are decomposes! Without them, there would be a lot more dead stuff around🐸Produce antibiotics!🐸Have important relationships with plants <p>🐸Essential to baking and brewing industries.</p> <p>🐸🌿All things Native🌿🐸</p> <p>Our native of the week is the Diamondback Terrain; yes our very own official mascot of the University of Maryland College Park!</p> <p>Chesapeake diamondbacks are distinguished by diamond-shaped, concentric rings on the scutes of their upper shells, and they even have cute little "mustache-like" marks above their mouth.</p> <p>Terrapins prefer unpolluted saltwater; this makes them indicators of healthy marsh and river systems. In winter, they hibernate underwater in mud.</p> <p>Around late May, diamondback terrapin emerge to mate, nest, and bask in the sun on coastal dunes or narrow sandy beaches.</p> <p>Some other fun facts our native friend:</p> <ul style="list-style-type: none">🐸They are believed to be the only turtle in the world that lives exclusively in brackish water.🐸You can determine a terrapin's age by counting the growth rings on its scutes.🐸A terrapin's scutes are unique to each animals, just like fingerprints are to humans. <p>#harfordstreams</p> <p>Harford County Government</p> <p>University of Maryland College Park</p> <p>🐸🐸Hello Summer adventure friends!🐸🐸</p> <p>Can't figure out where to adventure on this beautiful Friday afternoon? Let us give you some ideas!</p> <p>Check out all 20 of our Summer Adventure locations! Stay a while to see if you made it in the video, we always try to get new, smiling faces in there every week!</p> <p>We can't wait to see your smiling faces out there!</p>	Photo	8/20/2020 6:08	514	514
<p>🐸Hello Friends!🐸</p> <p>As Summer Adventure continues we've had some adventurers really go above and beyond! This week we are shouting out Bpapp87 for taking selfies at 18 different locations!🐸🐸</p> <p>Can you catch up to Bpapp87?</p> <p>Don't worry there is still plenty of time to submit your pictures and enter the drawings! Good Luck!🐸🐸</p>	Video	8/21/2020 13:08	875	875
<p>🐸Hello Friends!🐸</p> <p>As Summer Adventure continues we've had some adventurers really go above and beyond! This week we are shouting out Bpapp87 for taking selfies at 18 different locations!🐸🐸</p> <p>Can you catch up to Bpapp87?</p> <p>Don't worry there is still plenty of time to submit your pictures and enter the drawings! Good Luck!🐸🐸</p>	Photo	8/24/2020 12:08	595	595
<p>🐸🌿All things Native🌿🐸</p> <p>Our native of the week is the Diamondback Terrain; yes our very own official mascot of the University of Maryland College Park!</p> <p>Chesapeake diamondbacks are distinguished by diamond-shaped, concentric rings on the scutes of their upper shells, and they even have cute little "mustache-like" marks above their mouth.</p> <p>Terrapins prefer unpolluted saltwater; this makes them indicators of healthy marsh and river systems. In winter, they hibernate underwater in mud.</p> <p>Around late May, diamondback terrapin emerge to mate, nest, and bask in the sun on coastal dunes or narrow sandy beaches.</p> <p>Some other fun facts our native friend:</p> <ul style="list-style-type: none">🐸They are believed to be the only turtle in the world that lives exclusively in brackish water.🐸You can determine a terrapin's age by counting the growth rings on its scutes.🐸A terrapin's scutes are unique to each animals, just like fingerprints are to humans. <p>#harfordstreams</p> <p>Harford County Government</p> <p>University of Maryland College Park</p> <p>🐸🐸Hello Summer adventure friends!🐸🐸</p> <p>Can't figure out where to adventure on this beautiful Friday afternoon? Let us give you some ideas!</p> <p>Check out all 20 of our Summer Adventure locations! Stay a while to see if you made it in the video, we always try to get new, smiling faces in there every week!</p> <p>We can't wait to see your smiling faces out there!</p>	Photo	8/27/2020 9:08	393	393
<p>🐸🌿All things Native🌿🐸</p> <p>Our Native this Thursday may come as a surprise to many! When we think about our native species, we sometimes forget that some animals have large distribution ranges! Our native today is the Pygmy sperm whale (Kogia breviceps)]</p> <p>The pygmy sperm whale (Kogia breviceps) is one of two extant species in the family Kogiidae in the sperm whale superfamily. They are not often sighted at sea, and most of what is known about them comes from the examination of stranded specimens.</p> <p>🐸Pygmy sperm whales are toothed whales named after the waxy substance—spermaceti—found in their heads. The spermaceti is an oil sac that helps the whales produce sound and hunt through echolocation.</p> <p>🐸Another fun fact:Like squids, pygmy sperm whales can produce a dark, ink-like liquid that helps them escape from predators.</p> <p>🐸Some threats that the Pygmy sperm whale faces some threats such as entanglement of commercial fishing gear. Hunting, vessel strikes, marine debris, and ocean noise that can interrupt the normal behavior and communication of these whales.</p> <p>🐸To learn more about Pygmy whales and how we can help conserves this species and other marine life, please visit https://www.fisheries.noaa.gov/species/pygmy-sperm-whale</p>	Video	8/28/2020 13:08	416	416
<p>Great work Bryon Bodt!</p> <p>Harford Streams is wishing you a happy and safe Labor Day weekend! Labor Day is the last day to submit Summer Adventure selfies; submit 7 location selfies and earn a fun T-shirt (Shown in video)</p> <p>We can't wait to see your Labor Day weekend Summer Adventure photos!</p> <p>It is never too late to have a weekend packed iwth adventure, you can register today and still get a T-shirt! Register today at bit.ly/HSSummerAdventure.</p> <p>🐸🐸It's that exciting day we all have been waiting for!🐸🐸</p> <p>Check out our video to see everyone who qualified for the canoe trip and pontoon boat ride raffle! And... check out who the two lucky winners are!🐸🐸</p> <p>Thank you so much to all of our summer adventure friends for participating and sending us your smiling selfies! We can't wait to see all of you next year!🐸</p>	Photo	9/3/2020 8:09	229	229
<p>🐸🌿All things Native🌿🐸</p> <p>🐸Our Native this Thursday may come as a surprise to many! When we think about our native species, we sometimes forget that some animals have large distribution ranges! Our native today is the Pygmy sperm whale (Kogia breviceps)]</p> <p>🐸The pygmy sperm whale (Kogia breviceps) is one of two extant species in the family Kogiidae in the sperm whale superfamily. They are not often sighted at sea, and most of what is known about them comes from the examination of stranded specimens.</p> <p>🐸Pygmy sperm whales are toothed whales named after the waxy substance—spermaceti—found in their heads. The spermaceti is an oil sac that helps the whales produce sound and hunt through echolocation.</p> <p>🐸Another fun fact:Like squids, pygmy sperm whales can produce a dark, ink-like liquid that helps them escape from predators.</p> <p>🐸Some threats that the Pygmy sperm whale faces some threats such as entanglement of commercial fishing gear. Hunting, vessel strikes, marine debris, and ocean noise that can interrupt the normal behavior and communication of these whales.</p> <p>🐸To learn more about Pygmy whales and how we can help conserves this species and other marine life, please visit https://www.fisheries.noaa.gov/species/pygmy-sperm-whale</p>	Photo	9/3/2020 12:09	245	245
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	Other	9/11/2020 11:09	146	146
<p>🐸Funky Fungi Finds🐸</p> <p>We love sharing fun information with our Harford Streams Friends and Funky Fungi is so much fun to post about!</p> <p>🐸Our Funky Fungi today is Tremella fuciformis, or more commonly known as snow ear and white jelly mushroom.</p> <p>🐸These interesting guys look more like ghosts of past fungi or even jelly fish than they do fungus! T. fuciformis produces white, frond-like, gelatinous basidiocarps (fruiting bodies). It is widespread, especially in the tropics as well as temperate areas such as North America, where it can be found on the dead branches of broadleaf trees.</p> <p>🐸This fungus is commercially cultivated and is one of the most popular fungi in the cuisine and medicine of China!</p> <p>In Chinese cuisine, T. fuciformis is traditionally used in sweet dishes. While tasteless, it is valued for its gelatinous texture as well as its supposed medicinal benefits. Most commonly, it is used to make a dessert soup called lok mei. It is also used as a component of a drink and as an ice cream. (Lok mei pictured below)🐸</p> <p>🐸Although edible, we do not advise you to go on the hunt for some T. fuciformis, but it is always fun to learn more about a cool Fungi that you may encounter on your next hike!... and if you do, send us a picture, we would love to see it!🐸</p>	Photo	9/15/2020 12:09	446	446

<p>🐦🌿 All Things Native 🌿🐦</p> <p>Our Native today is the ivory-billed woodpecker (Campephilus principalis) is one of the largest woodpeckers in the world, at roughly 20 inches and 30 inches in wingspan. It is native to the bottomland hardwood forests and temperate coniferous forests of the Southeastern United States and Cuba.</p> <p>The ivory-billed woodpecker has glossy, black plumage with a purplish cast. Male ivory-billed woodpeckers haev a prominent, scarlet crest; the crest of female ivory-billed woodpeckers is completely black.</p> <p>Habitat destruction and, to a lesser extent, hunting has reduced populations so thoroughly that the species is listed as critically endangered by the International Union for Conservation of Nature, and the American Birding Association lists the ivory-billed woodpecker as a class 6 species, a category it defines as "definitely or probably extinct."</p> <p>The last universally accepted sighting of an American ivory-billed woodpecker occurred in Louisiana in 1944. However, sporadic reports of sightings and other evidence of the birds' persistence have continued ever since.</p> <p>In the 21st century, reported sightings and analyses of audio and visual recordings have been published in peer-reviewed scientific journals as evidence that the species persists in Arkansas, Louisiana, and Florida. Various land purchases and habitat restoration efforts have been initiated in areas where sightings and other evidence have suggested a relatively high probability the species</p> <p>Although you may not see this native on your next summer adventure, it is always fun to learn about our wonderful natives!</p>	Photo	9/17/2020 13:09	347	347
<p>Help protect our kids:👶🏠🌿 and our streams🌿 by disposing your unwanted prescription drugs💊 properly. This take back day will also accept sharps🪖, epi-pens, patches, inhalers, pills, liquids, pet medicines, old vitamins,etc. Please share with your friends, family, co-workers, social media, etc. If you have any questions, contact Charles L. Robbins, Jr. at clrobbins@harfordcountymd.gov. #HarfordStreams Harford County Government Harford County Sheriff's Office, Havre de Grace Police Department, Wegmans! Harford County Watershed Stewards Academy Harford County Office of Drug Control Policy</p>	Photo	9/21/2020 9:09	975	975
<p>Hi friends! Today we ask you all as question: Why is the Chesapeake Bay important?</p> <p>Let’s put this question into perspective: The Chesapeake Bay is the largest of more than 100 estuaries in the United States! Due to the grand size of our treasured estuary, anything that impacts the bay also impacts thousands of species of animals and plants, as well as the 18 million people who live in the Chesapeake Bay watershed.</p> <p>Thousands of native animals and plants rely on the health of the Bay. Diverse and interconnected ecosystems in our bay give way to many spectacular benefits, including, but not limited to:</p> <p>💧🌿 Bay wetlands provide protection from flooding, erosion, and storm surges</p> <p>💧🌿 The Bay provides generations of recreational and family activities</p> <p>💧🌿 The Bay is an important economic resource for seafood, tourism, and recreation, producing jobs and boosting our local economies.</p> <p>💧🌿 The Bay gives life to diverse and beautiful native species such as our Maryland Crabs! 🦀</p> <p>As the Chesapeake Bay is quite large, this means that all activities from parts of Maryland, Virginia, Delaware, West Virginia, Pennsylvania, New York and the District of Columbia directly impact not only the Bay, but you as well.</p> <p>Every action we take on the land affects our local streams and rivers, and ultimately the Bay, so it’s up to the 18 million of us that live in the Bay watershed to be aware of our environmental footprint because we all want a clean and healthy bay for generations of plants, animals, and humans to enjoy!</p>	Photo	9/24/2020 10:09	711	711
	Link	9/25/2020 2:09	432	432
<p>🦋🌿 All Things Native 🌿🦋</p> <p>Our native today is the beautiful Painted Bunting, (Passerina ciris) a species of bird in the cardinal family. What makes this native unique are two things:</p> <ol style="list-style-type: none">1. 🦋 The males’ bright plumage that is visible after year 22. 🦋 Only males have bright plumage, female painted Buntings are not as colorful (In the photo below, the males is on the right, female is on the left) <p>Although very colorful, you will have a hard time finding these guys because they are shy, secretive and often difficult to observe with the human eye. However, if you want to attract these beauties to your yard, they are more likely to visit a bird feeder in a yard with low and dense vegetation.</p> <p>Two more fun facts for you:</p> <ol style="list-style-type: none">1. 🦋 The male painted Buntings engages in visual displays including flying bouncily like a butterfly in order to attract a mate.2. 🦋 The French name for the Painted Bunting is nonpareil which means “without equal” speaking to the fact that many believe this is the most beautiful bird in the United States. <p>🦋💧 Healthy streams is our middle name! 🌿💧</p> <p>We always love sharing fun facts with you all about our Maryland Natives, Fungi facts, Summer Adventure friends, and much more! We think it is time to start sharing more about our restoration Projects!</p> <p>🌿💧 Stream restorations are conducted to improve the environmental health of the stream, support biodiversity, recreation, flood management, and increased bank and channel stability.</p> <p>🌿💧 Restoration efforts generally employ natural materials such as rocks, logs, and native vegetation to reduce pressure on eroded banks and provide long-term protection while respecting and maintaining the streams natural environment.</p> <p>🌿💧 We have created a fun and interactive map for you to learn some of our most used stream restoration techniques! Over the next few weeks, we will be sharing highlights of different restoration projects that you may have seen around the neighborhood already!</p> <p>🌿💧 Enjoy this inside look into the world of restorations and we are excited to continue to share insights into our healthy streams initiatives!</p> <p>Click on the link below to take you into the world of stream restoration. Navigate by using your space bar or by simply clicking which restoration technique you are interested in!</p> <p>http://bit.ly/StreamRestoration</p>	Photo	9/28/2020 13:09	564	564
<p>🐠🌿 All Things Native 🌿🐠</p> <p>Today’s native is the beautiful Pumpkinseed! Now, this native is not going to be found in your next pumpkin spice latte☕, but it can be found all over Harford County’s streams! 💧</p> <p>🐠🌿 The pumpkinseed (Lepomis gibbosus) is a North American freshwater fish. It is also referred to as pond perche, common sunfish, punkie, sunfish, sunny, and kivve</p> <p>🐠🌿 They are orange, green, yellow or blue in color, with speckles over their sides and back and a yellow-orange breast and belly. The coloration of the scales of the pumpkinseed is one of the most vibrant of any freshwater fish and can range from an olive-green or brown to bright orange and blue.</p> <p>Did you know?</p> <p>🐠🌿 The pumpkinseed can often be confused with the bluegill, another sunfish. However, Pumpkinseeds can be distinguished by the wavy stripes on their cheeks and the bright red or orange border on their earflaps. However, bluegills and pumpkinseeds often interbreed, resulting in some confusing hybrids! (see below a picture of a bluegill (top of illustration) and a pumpkinseed (bottom of illustration)</p> <p>🐠🌿 They are a favorite of young anglers because they are playful and very easy to catch. Pumpkinseeds will eagerly bite onto nearly any small natural or artificial bait.</p> <p>🐠🌿 Pumpkinseeds are well-known for being a delicious fish to eat.</p> <p>Let us know if you see any Pumpkinseeds on your next stream walk - we hear that Halloween is their favorite holiday!</p> <p>🌿💧 Let us continue on our journey into stream restorations!💧</p> <p>💧🐠 For this spooky fall month, we want to take you through one of our favorite projects, Bynum Run Stream Restoration! 💧🐠</p> <p>Today we start at the beginning of our timeline with how Bynum Run looked before the restoration, stay tuned for next week to see Bynum Run Stream Restoration Construction!</p> <p>💧🐠Stream restorations are conducted to improve the environmental health of a stream, support biodiversity, and flood management. Bynum Run was on our list for restoration for many reasons including stream bank erosion, flood plain management, and sediment buildup.</p> <p>Why do these things call for stream restoration? Well...</p> <p>- 💧🐠 Stream bank erosion: Although stream bank erosion is a natural process that occurs due to forces exerted by flowing water; however, this process is sped up by community development which increases the percentage of impervious surfaces around the stream. This means that rainwater cannot infiltrate soils nearby, leaving more water to flow faster into the stream.</p> <p>Stream bank erosion causes an abundance of sediment to flow into the water, disrupting the flow and ecosystem of the stream.</p> <p>- 💧🐠 Floodplain management: A floodplain allows excess water to spread out along the land, accommodating a temporary storage of water. This reduces flood peaks and erosion potential. Healthy streams have a floodplain while, eroding and unhealthy streams usually do not.</p> <p>- 💧🐠 Sediment build-up: When sediment builds up on the banks of a stream, over time, this can dislodge plants, invertebrates, and insects in a streambed, affecting the food source for fish as well.</p> <p>Take a look at the photos below for some in-field photo examples of Bynum Run Stream in 2017! Next week we will take you into the world of stream restoration construction fun!</p> <p>#harfordstreams</p> <p>Harford County Government</p>	Photo	10/2/2020 13:10	567	567
	Link	10/8/2020 7:10	191	191
	Link	10/9/2020 8:10	189	189
<p>🍄 Funky Fungi Finds 🍄</p> <p>Today’s mushroom is the 🍄🌿 Honey Mushroom. 🍄🌿 This is a mushroom that you may see often, so now you will be able to identify it!</p> <p>Found growing in temperate regions around the globe, the Honey Mushroom doubles as a dangerous pathogen to plants yet an edible form of fungi that works well in recipes ranging from pasta to soup. (But once again, we recommend you do not ingest, instead, you should just look at these fungi from a distance!)</p> <p>🍄🌿 The Honey Mushroom is a genus composed of several types of parasitic fungi that grow on wood. Armillaria, which is the honey mushroom scientific name, is made up of about 10 different species of mushrooms, including Armillaria mellea, Armillaria ostoyae and Armillaria tabescens.</p> <p>🍄🌿 The mushrooms feed on dead plant material and can cause fungal root rot in trees, which spreads through root-like structures.</p> <p>Some fun fungi facts about this interesting fungi include:</p> <ul style="list-style-type: none">- 🍄🌿 Honey mushrooms happen to be one of the largest living organisms on Earth, with some colonies spanning several miles in diameter.- 🍄🌿 Honey mushrooms are rich in Antioxidants- 🍄🌿 Honey mushrooms could Help Fight Cancer Cell Growth- 🍄🌿 Honey mushrooms may Stabilize Blood Sugar <p>Look out for the Honey Mushroom on your next hike and let us know if you find this funky fungi!</p>	Photo	10/14/2020 13:10	233	233
<p>🐸🌿 All Things Native 🌿🐸</p> <p>🐸 Hello Friends! Today we bring you, not a funky fungi, but another Native species! Today is extra special because we are talking about two native species, the American Toad and the Fowler Toad!</p> <p>🐸 These two toad friends can be easily mistaken by a regular eye, but because you are Harford streams friends, now you will have the expert eyes to tell the difference!</p> <p>🐸 The Fowler’s toad looks very similar to the American toad. The best way to distinguish these two toads is by counting how many bumps are in each large dark blotch on the back.</p> <p>🐸 Fowler’s toads have three or four bumps per blotch, whereas American toads have one or two. The belly of Fowler’s toads tends to be white. Where as the American toad’s belly is white with black spots, as in the American toad.</p> <p>🐸 You didn’t think it would be that easy did you? To make things a little more complicated, these two species can hybridize, making identification more difficult in areas where both may occur. During breeding season, these species can be identified by their calls!</p> <p>🐸 For a fun treat, click on the link below to listen to a Fowler Toad’s call! Courtesy of the Indiana DNR</p> <p>https://www.in.gov/dnr/fishwild/files/fowlers2.MP3</p> <p>Hi friends!</p> <p>Last week we introduced one of our favorite restoration projects, Bynum Run Stream Restoration! You saw what it looked like before, eroding banks and sediment build-up... now you can see the process of turning this stream around!</p> <p>Watch our stream restoration construction video to see a glimpse into the construction phase of our restorations!</p> <p>Learn more about the techniques used in stream restoration in our interactive map! https://bit.ly/StreamRestoration</p> <p>Tune in next week to see Bynum Run almost complete, where we are finally planting!</p>	Photo	10/15/2020 13:10	318	318
<p>Hi friends!</p> <p>Last week we introduced one of our favorite restoration projects, Bynum Run Stream Restoration! You saw what it looked like before, eroding banks and sediment build-up... now you can see the process of turning this stream around!</p> <p>Watch our stream restoration construction video to see a glimpse into the construction phase of our restorations!</p> <p>Learn more about the techniques used in stream restoration in our interactive map! https://bit.ly/StreamRestoration</p> <p>Tune in next week to see Bynum Run almost complete, where we are finally planting!</p>	Video	10/20/2020 13:10	612	612
<p>Help protect our kids:👶🏠🌿 and our streams🌿 by disposing your unwanted prescription drugs💊 properly. This take back day will also accept sharps🪖, epi-pens, patches, inhalers, pills, liquids, pet medicines, old vitamins,etc. Please share with your friends, family, co-workers, social media, etc. If you have any questions, contact Charles L. Robbins, Jr. at clrobbins@harfordcountymd.gov. #HarfordStreams Harford County Sheriff's Office, Harford County Government, Havre de Grace Police Department, Wegmans, Harford County Watershed Stewards Academy, Harford County Office of Drug Control Policy</p>	Photo	10/21/2020 8:10	228	228

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<p>You guys really enjoyed a walk through of our Bynum Run Stream Restoration so we wanted to take you through our Barrington Stream Restoration!</p> <p>The purpose of this project was to improve stream health by stabilizing eroding stream banks and providing additional area for flow during rain storms. This project involved the construction of new stormwater facilities to slow rain runoff and to remove pollutants and the stabilization of approximately 2,500 linear feet of an unnamed tributary to Plumtree Run.</p> <p>This project is located near 1800 Barrington Place, Bel Air, MD between MD Rt 924 and MD Rt 24.</p> <p>Construction started in the fall 2019 and was completed in the fall of 2020!</p> <p>Below are pictures of Barrington in 2019 before the restoration! As you can see, the stream banks were very unstable and highly eroded!</p> <p>Stay tuned to see this stream be restored and transformed!</p>	Photo	12/1/2020 12:12	371	371
	Photo	12/2/2020 8:12	268	268
	Video	12/4/2020 6:12	138	138
<p>🌿🌿 All Things Native 🌿🌿</p> <p>🐿 Today our native is a special stream friend, the American Beaver!</p> <p>🐿 Beavers are the largest rodents in North America and the second largest rodent in the world. Beavers can weigh from 30-60 pounds and can get up to 40 inches in length (including their tail).</p> <p>🐿 Beavers were hunted almost to extinction in the mid-1800s. However, beavers are now common throughout Maryland and the rest of the United States. (Yay!)</p> <p>🐿 The American beaver is truly an important species; many people even call beavers ecosystem engineers! Beavers continuously work to create new wetlands and ponds by building dams and lodges. They are incredible workers and builders, carrying mud and stones with their fore-paws and timber between their teeth to build well-maintained dams. These dams turn small streams into ponds and lakes which provide excellent areas for other animals to use and thrive!</p> <p>🐿 Did You Know? 🐿</p> <p>- Beavers have transparent eyelids that help them see while swimming underwater!</p> <p>- Beavers also can close up their ears and nose to prevent water from getting in while swimming underwater!</p> <p>🐿 Let us know if you see any beavers on your next streamside hike or adventure!</p>	Photo	12/4/2020 13:12	659	659
	Photo	12/7/2020 10:12	184	184
<p>Today, let us take you through the beginnings of our Barrington Stream Restoration!</p> <p>With all restorations come preparation! In order to work in the stream, trees must be cut down to clear space for machinery. However; Harford Streams always makes sure to keep as many trees as possible as well as plant trees after the restoration!</p> <p>Mulch is placed along the path of the stream restoration to provide a cushion for large machinery to protect the ground and tree roots! Planking is also placed on the trees in order to protect them from any damage!</p> <p>Another part of preparation is putting matting down along the slopes of the stream. This helps to keep sediment from eroding during restoration as well as rain events!</p>	Photo	12/9/2020 13:12	272	272
<p>🌿🐿 What a fun and exciting learning opportunity from Longwood Gardens! 🌿🐿</p> <p>Even if you are not a teacher, Longwood Gardens offers a range of online learning opportunities, as well as a library of videos, plant quizzes, online exhibitions, and activities for all ages!</p> <p>🌿🐿 Happy snow day Harford Stream friends! 🌿🐿</p> <p>We hope you are having a safe and fun winter wonderland day!</p> <p>🌿🐿 Snow is beautiful and magical, but sometimes the preparations taken for snow can cause some environmental harm.</p> <p>When snow melts off the road, this runoff carries salt with it. This salt makes its way into groundwater and our streams/ ponds. Salt stays in natural systems for a very long time, in turn affecting humans, animals, and vegetation.</p> <p>🌿🐿 Salt in ponds and lakes can create a salt water layer at the bottom, imprisoning nutrients away from aquatic plants and animals. In addition, elevated concentrations of salt in freshwater have detrimental effects on the growth, reproduction, and survival of a large range of invertebrates, fish, and amphibians. Many freshwater fish are not able to adapt to higher levels of salt in the water and may end up dying.</p> <p>🌿🐿 Salt can also affect mammals and birds. Drinking salt water can lead to salt toxicity. Small birds also tend to confuse salt crystals with grit, and the ingestion of small amounts leads to acute toxicity and death.</p> <p>🌿🐿 This is important to keep in mind on your next snow day! Try to reduce your own salt application. Removing snow before it is walked on or driven upon prevents the formation of a hard-packed, slippery snow layer!</p> <p>Happy Friday friends!</p> <p>🌿🐿 We hope you enjoyed your snow day because Bynum Run sure did! 🌿🐿</p> <p>🐿 Take a look at this fun timelapse video taken at our Bynum Run Stream Restoration Project! 🐿</p> <p>Have a great weekned and be safe!</p>	Photo	12/10/2020 13:12	236	236
	Photo	12/16/2020 13:12	222	222
<p>🌿🐿 We hope you enjoyed your snow day because Bynum Run sure did! 🌿🐿</p> <p>🐿 Take a look at this fun timelapse video taken at our Bynum Run Stream Restoration Project! 🐿</p> <p>Have a great weekned and be safe!</p>	Video	12/18/2020 13:12	413	413
<p>🌿🐿 And so construction begins! You saw what Barrington looked like while it was being prepared for construction and now here is a glimpse of the hefty construction job that took place in January of 2020!</p> <p>🌿🐿 The purpose of this project was to improve stream health by stabilizing eroding stream banks and providing additional area for flow during rain storms. This project involved the construction of new stormwater facilities to slow rain runoff and to remove pollutants and the stabilization of approximately 2,500 linear feet of an unnamed tributary to Plumtree Run!</p> <p>🌿🐿 In the first two pictures, you can see that a new stormwater facility or stormwater pond is being constructed. The reason for this is because sometimes in areas with high impervious land, rain reaches streams with high velocity and in large quantities. These stormwater ponds help to store excess stormwater as well as slow down the stormwater so that it does not erode the stream banks!</p> <p>🌿🐿 We are excited for you to continue on this journey with us and see the drastically different Barrington Stream restoration in the present day; stay tuned!</p>	Photo	12/23/2020 12:12	232	232
	Photo	12/25/2020 2:12	257	257
<p>🌿🐿 All Things Native 🌿🐿</p> <p>🌿🐿 Our Maryland native species are wonderful, but we have to remember to be cautious around some of our natives because some of them are toxic! Today's native is Cicuta, commonly known as water hemlock.</p> <p>🌿🐿 These plants grow up to 8.2 ft tall, having distinctive small green or white flowers arranged in an umbrella shape. Water Hemlock typically grows in wet meadows, along streambanks and other wet and marshy areas.</p> <p>🌿🐿 Water hemlock is considered one of North America's most toxic plants, being highly poisonous to humans. Water Hemlock contains a toxin called cicutoxin which causes central nervous system stimulatory effects including seizures following ingestion.</p> <p>🌿🐿 Water Hemlock is also dangerous because it resembles many other edible plants, so please be cautious when outdoors!</p> <p>🌿🐿 Even though Water Hemlock may be poisonous to humans, we must understand that this plant is an essential part of our ecosystem. We can appreciate it from a distance! 🌿🐿</p> <p>🌿🐿 As we progress farther at Barrington stream restoration construction, we can see the framework for the stream coming together.</p>	Photo	12/29/2020 13:12	291	291
<p>🌿🐿 Here we can see a really neat stream technique being used and it's called a "step pool!"</p> <p>🌿🐿 A step pool is a series of pools built with rocks that mimic staircase steps to slow down stream flow. In the event of a large storm, these step pools help to slow down the water and prevent erosion of the stream banks!</p>	Photo	12/30/2020 13:12	326	326
<p>🌿🐿 Happy New Year Harford Streams friends! As we welcome the New Year, let us welcome some clean water practices to ensure the health of our Harford Streams! 🌿🐿</p> <p>🌿 As Harford County develops, we have constructed roads, parking lots, and driveways that disrupt the natural flow of water. When rain lands on these hard surfaces, it is not able to seep into the ground and instead becomes stormwater runoff. The runoff flows into a stormdrain and travels through a network of pipes to the nearest waterway.</p> <p>🌿 As this stormwater travels to the stormdrain, it picks up many pollutants such as motor oil, yard waste, transmission fluid, fertilizer and much more!</p> <p>In order to keep our streams healthy, we need people like you to keep our stormwater clean of these dangerous pollutants... and here is how you can help!</p> <p>- Wash your car at a commercial car wash, or in a location where the soapy water will not run into the storm drain.</p> <p>-Sweep up grass clippings and other yard waste instead of washing them down the driveway or into the gutter.</p> <p>-Dispose of used motor oil and household hazardous waste (paint, household cleaners, etc.) properly, rather than pouring it on the driveway or into storm drains.</p> <p>-Report storm drain dumping. During business hours, call the Public Works Department at (410) 638-3217</p> <p>-Always pick up pet waste from your yard, sidewalk or park area.</p> <p>-Avoid excess fertilizer or pesticide use, especially before rain is predicted.</p> <p>🌿🐿 Have a safe and happy New year!! 🌿🐿</p>	Photo	1/1/2021 13:01	206	206
<p>🐾 Funki Fungi Finds 🐾</p> <p>🐾🐿 Our little fungi friend today looks like someone had an orange as a snack on their hike and threw the peel on the ground!</p> <p>🐾🐿 Orange peel fungus (Aleuria aurantia), or orange fairy cup fungus is a striking fungi that can be found growing throughout North America, especially during the summer and fall.</p> <p>🐾🐿 Orange peel fungus is a vital tertiary decomposer that depends on primary and secondary decomposers to do their work decomposing organic material before the orange peel fungus breaks down complex molecules. These carbon, nitrogen and hydrogen molecules are returned to enrich the soil and create new life (HOW COOL IS THAT?)</p> <p>🐾🐿 Orange peel fungus is not poisonous and is, in fact, an edible mushroom, although it really has no taste. It does not secrete any toxins, but it does share a close resemblance to some species of Otidea fungi that do produce harmful toxins. For this reason, it is often recommended that you not try to ingest it without proper knowledge and identification of a professional.</p>	Photo	1/5/2021 13:01	279	279
<p>🌿 The Barrington Stream Restoration post you've been waiting for!</p> <p>🌿 Enjoy an elevated view of Barrington and let us know what you think! Here we can see many of the features that we have been talking about in the past couple of weeks!</p> <p>🌿 First, we see our storm water ponds which help to hold excess stormwater during storm events to prevent too much fast moving water from entering the stream at once.</p> <p>🌿 Second, we can see our step pools in all their glory! Step pools also help to slow down stormwater to prevent erosion.</p> <p>🌿 And of course, scattered all around the restoration are tree plantings! Not only are trees beautiful, but as they mature their roots will keep soil in place, helping to prevent erosion!</p>	Photo	1/8/2021 13:01	419	419
<p>🌿🐿 All Things Native 🌿🐿</p> <p>🌿🐿 Healthy Streams... healthy bays! Today's Native can be found right in our Chesapeake Bay! Utricularia, commonly called the bladderworts, is a genus of carnivorous plants consisting of approximately 233 species!</p> <p>🌿🐿 Aquatic species such as common bladderwort possess bladders that are usually larger than their terrestrial counterparts and can feed on substantial prey such as water fleas!</p> <p>🌿🐿 We wanted to talk about today's native and submerged aquatic vegetation (SAV) as a whole because these species are very important to the health of our Bay! SAV species are vascular plants that live underwater and are found throughout Maryland's tidal and non-tidal waters. Approximately fifteen varieties of SAV are typically found in the Chesapeake Bay and surrounding bodies of water.</p> <p>🌿🐿 Unlike terrestrial plants which have rigid stems and leaves, bay grasses have specialized cells which provide buoyancy in the water environment.</p>	Photo	1/12/2021 12:01	197	197
<p>🌿🐿 This weeks' restoration is a little different! Instead of the stream restoration projects we have been sharing, today we are talking about our Homestead Rain Garden!</p> <p>🌿🐿 We had the privilege to collaborate with Homestead teachers and students to create the Homestead Elementary rain garden!</p> <p>🌿🐿 This idea came about because when there were large rain events, the surrounding area near the basketball courts would flood due to improper drainage as well as cause erosion as seen in the pictures below. That is where the rain garden comes into play!</p> <p>🌿🐿 Rain gardens, also called bioretention facilities, are one of a variety of practices designed to treat polluted stormwater runoff. Rain gardens are designed to reduce the flow rate, total quantity, and pollutant load of runoff from impervious urban areas like roofs, driveways, walkways, parking lots, and compacted lawn areas.</p> <p>🌿🐿 Rain gardens rely on plants and natural or engineered soil medium to retain stormwater and increase the lag time of infiltration, while remediating and filtering pollutants carried by urban runoff.</p> <p>🌿🐿 Here is the area before the rain garden and stay tuned to see construction, and the best part, planting with the students!</p>	Photo	1/14/2021 13:01	272	272
Harford County Watershed Stewards Academy's Master Watershed Steward Bryon Bodt is making an impact in Harford County.	Photo	1/15/2021 6:01	245	245

<div><div><div><div><div><div></div><div>🌧️🌿 Happy Friday Folks! Clear and sunny skies today, but we are still talking about rain!... rain gardens that is!</div></div></div><div><div><div></div><div>🌧️🌿 Rain gardens aren't just the plants that you see on top; there are many layers to the rain garden that help with retaining and slowing water down while also helping to filter the water!</div></div><div><div></div><div>🌧️🌿 As you can see in the pictures below, first we must first excavate a basin for the rain garden, then we add a layer of stone/ gravel, then a layer of soil is added to prepare for planting!</div></div><div><div></div><div>🌧️🌿 There are also perforated pipes at the base of the rain garden that are there just in case there is too much water and the excess water needs a way out!</div></div><div><div></div><div>🌧️🌿 Next week we plant with the kiddos!</div></div></div></div></div></div>	Photo	1/22/2021 13:01	323	323
<div><div><div><div><div><div></div><div>🍄 Funky Fungi Finds 🍄</div></div></div><div><div><div></div><div>🍄🐼 Our Fungi friend today is super cool because it is bioluminescent! Panellus stipticus, commonly known as the bitter oyster is common and widely distributed species. It is found in Asia, Australasia, Europe, and North America, where it grows in groups or dense overlapping clusters on the logs, stumps, and trunks of deciduous trees, especially beech, oak, and birch!</div></div><div><div></div><div>🍄🐼 Panellus stipticus is one of several dozen species of fungi that are bioluminescent. Strains from eastern North America are typically bioluminescent, but those from the Pacific regions of North America and from other continents are not. The luminescence is localized to the edges of the gills and the junction of the gills with the stem and cap.</div></div></div></div></div></div>	Photo	1/26/2021 13:01	162	162
<div><div><div><div><div><div></div><div>Happy Friday friends!</div></div></div><div><div><div></div><div>🌧️🍄🌿 We're starting the weekend off with some exciting news! Last summer we were so excited about our local Chris Hopkinson, who paddled the length of the Chesapeake Bay and raised nearly \$200,000 for oyster recovery work!</div></div><div><div></div><div>🌧️🍄🌿 Continue this amazing work there will be a 1st ever Chesapeake Bay Paddle race covering all 215 miles of the bay! This race will occur on August 27th through September 3rd and there will be a stage race with a designated start and finish cutoff times each day!</div></div><div><div></div><div>🌧️🍄🌿 The race will benefit the Chesapeake Conservancy's efforts to designate the Chesapeake Bay as a National Park and Oyster Recovery Partnership's work to plant 10 billion oysters in the Bay! How amazing!</div></div><div><div></div><div>🌧️🍄🌿 Check out a map of the course starting in the Northern end of the Chesapeake Bay, Havre de Grace,MD and ending in Virginia Beach along the Eastern Shore! https://onthegomap.com/s/bj5s44er</div></div><div><div></div><div>🌧️🍄🌿 If you or anyone you know would be interested in this race click or share the link below!</div></div><div><div></div><div>https://docs.google.com/forms/d/e/1FAIpQLSeOGeX8aVQMMF-SV1Kx_FwtGQUO931d575ka6ikmbBzYFIQUQ/viewform?xids=7628</div></div><div><div></div><div>🌿🌧️ Today is an exciting day because we get to share the best part about our Homestead Rain Garden Project!</div></div><div><div></div><div>🌿🌧️ We had the pleasure to work with the amazing teachers and students from Homestead Elementary to plant the rain garden natives!</div></div><div><div></div><div>First, Christine taught the students the importance of our rain garden and native plants and then they were off! Each student had 2-3 natives to plant and of course they had the help of the Harford County Public Works team, our Watershed Stewards Volunteers, and some student expert helpers!</div></div><div><div></div><div>🌿🌧️ We are excited for you to see the final result and how the rain garden holds its own in the rain!</div></div></div></div></div></div>	Photo	1/29/2021 13:01	247	247
<div><div><div><div><div><div></div><div>🌿🌧️ All Things Native 🌿🌿</div></div></div><div><div><div></div><div>🐼🌿 Healthy Streams...Healthy Bays! You can find today's native in our very own Chesapeake Bay! The Atlantic sturgeon is a bony, ancient-looking fish that visits the Chesapeake Bay. It was once found throughout the Bay and its freshwater rivers, but is now very rare. 🐟🐟</div></div><div><div></div><div>🐼🌿 Atlantic sturgeon under six years of age stay in the brackish water where they were born before moving into the ocean. When mature, they travel upstream to spawn. The females may lay 800,000 to 3.75 million eggs in a single year, doing so every two to six years! After laying their eggs, females travel back downstream, but males may remain upstream after spawning until forced to return downstream by the increasingly cold water. They may even return to the ocean, where they stay near the coastline.</div></div><div><div></div><div>🐼🌿 The species is also known for its occasional 'leaping' behavior, during which the fish will emerge completely out of the water in a forceful motion that can be hazardous to anything unlucky enough to be struck 🐟🐟 The exact reason why sturgeon leap remains unknown, although some scholars believe leaping is a form of group communication!</div></div></div></div></div></div>	Photo	2/9/2021 13:02	356	356
<div><div><div><div><div><div></div><div>🌿🌿 All Things Native 🌿🌿</div></div></div><div><div><div></div><div>🌿🐼 Happy Wednesday friends! Today we bring you a native that you can be on the lookout for on your next outdoor adventure!</div></div><div><div></div><div>🌿🐼 The beautiful Virginia BlueBell (Mertensia virginica) signifies the arrival of spring! Virginia Bluebells are herbaceous perennial wildflowers that are also a spring Ephemeral!</div></div><div><div></div><div>🌿🐼 When a plant like the Virginia BlueBell is a spring Ephemeral this means that the plants emerge quickly in the spring and die back to their underground parts until the next year!</div></div><div><div></div><div>🌿🐼 Let us know if you come across our vibrantly beautiful BlueBells on your next hike!</div></div></div></div></div></div>	Photo	2/17/2021 13:02	257	257
<div><div><div><div><div><div></div><div>🌿🌿 Homestead Rain Garden 🌿🌿</div></div></div><div><div><div></div><div>🌧️🌿 Take a look at our Homestead Rain Garden in action!</div></div><div><div></div><div>🌧️🌿 As we previously mentioned, a rain garden is meant to slow the flow of rainwater from roofs, sidewalks, streets, parking lots, and other impervious surfaces, allowing the water to penetrate the soil.</div></div><div><div></div><div>🌧️🌿 The soil cleans the water of pollutants before it enters the storm drain and empties into our streams and Bay.</div></div><div><div></div><div>🌧️🌿 This process also prevents an influx of water to rush down the hill and for example flow to the basketball courts!</div></div></div></div></div></div>	Video	2/25/2021 13:02	163	163
<div><div><div><div><div><div></div><div>Hi friends!</div></div></div><div><div><div></div><div>Now that the snow has passed, we are hoping for some sunny days ahead of us! With spring approaching, comes a lovely breeze!</div></div><div><div></div><div>We wanted to take a moment to ask our Harford County friends to secure the lids on your trashcans or even place a big rock on top to prevent your trashcan from falling over and getting trash over our beautiful Harford County! Sometimes a heavy wind can knock your lid right off and then trash is able to disperse.</div></div><div><div></div><div>This is a simple and quick step that can make a BIG difference. By doing this, you can help keep trash from getting into our lovely streams and treasured Chesapeake Bay; you can help keep our neighborhoods clean too!</div></div><div><div></div><div>Tell a friend or tell a neighbor the same and thank you for doing your part at keeping our streams and county healthy and beautiful!</div></div></div></div></div></div>	Photo	3/2/2021 13:03	326	326
	Photo	3/3/2021 4:03	137	137
<div><div><div><div><div><div></div><div>🌿🐼 All Things Native 🌿🐼</div></div></div><div><div><div></div><div>🐼🐼 Today's native has a bad rap, that we think it doesn't deserve; let us explain!</div></div><div><div></div><div>🐼🐼 The coyote is a species of canine native to North America. It is smaller than its close relative, the wolf, and slightly smaller than the closely related eastern wolf and red wolf</div></div><div><div></div><div>🐼🐼 The species is versatile, able to adapt to and expand into environments modified by humans. It is enlarging its range by moving into urban areas in the eastern U.S. and Canada. The coyote was sighted in eastern Panama (across the Panama Canal from their home range) for the first time in 2013.</div></div><div><div></div><div>🐼🐼 Primarily carnivorous, its diet consists mainly of deer, rabbits, hares, rodents, birds, reptiles, amphibians, fish, and invertebrates, though it may also eat fruits and vegetables on occasion.</div></div><div><div></div><div>🐼🐼 Humans are the coyote's greatest threat, followed by cougars and gray wolves. Although it is important to be weary on coyotes, it is also important to recognize them for their important role in our environment! Coyotes keep deer, rabbit, and rodent populations in check, helping to prevent overgrazing from herbivorous animals as well as prevents these animals from getting into our gardens and farms! So thank you coyote friends!</div></div><div><div></div><div>🐼🐼 The coyote as you may know, is also a prominent character in Native American folklore, mainly in Aridoamerica, usually depicted as a trickster that alternately assumes the form of an actual coyote or a man. As with other trickster figures, the coyote uses deception and humor to rebel against social conventions.</div></div></div></div></div></div>	Photo	3/4/2021 13:03	1090	1090
<div><div><div><div><div><div></div><div>🍄 Funky Fungi Finds 🍄</div></div></div><div><div><div></div><div>🍄🐼 Today we bring you a super funky and weird fungi friend! You may recognize this fungi, but not for the reason you think...it looks like a brain!</div></div><div><div></div><div>🍄🐼 Hence it's appearance, this fungi is commonly named the Brain Mushroom! (Gyromitra esculenta) Another fun fact is that like human skin, this mushroom becomes more wrinkly with age!</div></div><div><div></div><div>🍄🐼 Its lumpy exterior is sometimes confused with that of morels, a group of mushrooms from the genus Morchella. But such a mistake only seems possible without the ability to compare the two organisms directly. The organized honeycombed ridges of the morel look nothing like the blob-like chaos of the brain mushroom.</div></div><div><div></div><div>(See the picture below to spot the difference between the two)</div></div><div><div></div><div>🍄🐼 Since the Brain mushroom is found in North America, please do not eat anything you find outside, rather, admire from a distance. 🐼</div></div></div></div></div></div>	Photo	3/8/2021 13:03	222	222
	Photo	3/9/2021 5:03	140	140
	Other	3/16/2021 5:03	175	175
	Photo	3/19/2021 5:03	156	156
	Link	3/23/2021 4:03	146	146
<div><div><div><div><div><div></div><div>🌿🐼🐼 Happy Friday friends! And Happy Spring! 🌿🐼🐼</div></div></div><div><div><div></div><div>🌿🐼 Today we want to talk about 🐼🐼 Spring Ephemerals 🐼🐼 !!</div></div><div><div></div><div>Spring ephemerals are perennial woodland wildflowers that bloom in early spring and quickly disappear! They complete their above ground growing cycle in a very short amount of time (a couple of weeks to months) before going dormant again. These short-lived plants can be elusive and hard to find.</div></div><div><div></div><div>🐼🐼 If you're out exploring this weekend, go on a treasure hunt for some spring ephemerals and share a picture with us here! We've posted some photos in the comments. Some examples of spring ephemerals include:</div></div><div><div></div><div>🐼🐼 The Virginia bluebell (Mertensia virginica) – See our earlier post!</div></div><div><div></div><div>🐼🐼 Trout lily (Erythronium americanum)</div></div><div><div></div><div>🐼🐼 Wood anemone (Anemone nemorosa)</div></div><div><div></div><div>🐼🐼 Harbinger of Spring (Eriogonum bulbosa)</div></div><div><div></div><div>🐼🐼 Spring Beauty (Claytonia virginica)</div></div><div><div></div><div>🐼🐼 Want to learn more!?! </div></div><div><div></div><div>Maryland DNR will be hosting Wild Acres Public Events webinars including a discussion on spring ephemerals! Check it out here...</div></div><div><div></div><div>https://dnr.maryland.gov/wildlife/Pages/habitat/wanpublicevents.aspx</div></div></div></div></div></div>	Link	3/26/2021 13:03	151	151
	Photo	3/30/2021 13:03	156	156
<div><div><div><div><div><div></div><div>🌿🐼 All Things Native 🌿🐼</div></div></div><div><div><div></div><div>🐼🐼 Today's native is often seen as a stinky nuisance, but it's actually quite interesting... SKUNK CABBAGE!</div></div><div><div></div><div>🐼🐼 Skunk cabbage is an early pollinator that sprouts very early in the Spring! It's a wildflower that grows in wetlands and wet areas of forest lands.</div></div><div><div></div><div>🐼🐼 It has an odd chemistry that creates its own heat, often melting the snow around itself as it first sprouts in the spring! It can even sprout if the ground is still frozen!</div></div><div><div></div><div>🐼🐼 The flowers appear before the leaves and are characterized by a mottled maroon hoodlike leaf.</div></div><div><div></div><div>🐼🐼 When its leaves are crushed or bruised, it gives off a smell of skunk or rotting meat.</div></div><div><div></div><div>🐼🐼 The smell is like perfume to bees, butterflies and many other beneficial insects.</div></div><div><div></div><div>🐼🐼 It provides bees an early pollen source needed for brooding. In addition to pollen, it also provides shelter and warmth to foraging bees!</div></div></div></div></div></div>	Photo	4/2/2021 7:04	235	235
	Link	4/6/2021 6:04	106	106
<div><div><div><div><div><div></div><div>Here is a safe, convenient, and responsible way to dispose of unused or expired prescriptions! This promotes safety at home and also environmental protection. 🗑️🗑️ Mark your calendars for April 24th!</div></div></div></div></div></div>	Photo	4/7/2021 7:04	200	200

<div><div><div><div><div><div></div><div>🐾🌿 Get Nerdy With Nature: City Nature Challenge, Baltimore🐾🌿</div></div></div><div><div><div></div><div>The City Nature Challenge is an annual community science competition for cities across the globe to find and document the plants and wildlife found in urban areas.</div></div><div><div></div><div>The 2021 challenge will take place in two parts: from April 30 to May 3, 2021, community scientists will observe wildlife and take photos of all the plants and animals they can find.</div></div><div><div></div><div>From April 30 to May 9, 2021, the species documented will be identified. On May 10, 2021, the results will be announced!</div></div><div><div></div><div>Want to participate on behalf of Baltimore and the National Aquarium?</div></div><div><div></div><div>🐾🌿🌿 Learn more here: https://aqua.org/support/conservation/city-nature-challenge-baltimore</div></div></div></div></div><div>\$12.4 million for watershed management projects:</div></div>	Photo	4/12/2021 12:04	222	222
Mark your Calendars!	Photo	4/14/2021 10:04	161	161
Baltimore welcomes its 4th Trash Wheel—Gwynnda the Good Wheel of the West—to its googly-eyed fleet of waterway stewards.	Link	4/16/2021 12:04	226	226
**Reminder post! Please take this opportunity to dispose of unwanted or unused medication this Saturday 4/24!	Photo	4/21/2021 7:04	171	171
Happy #EarthDay! Please do something kind for the planet today (and every day)! Remember, "the Earth is what we all have in common." Quote by Wendell Berry.	Photo	4/22/2021 15:04	188	188
<div><div><div><div><div><div></div><div>🌿🌿 What are Bad Plants?🌿🌿</div></div></div><div><div><div></div><div>✔ Native: species which naturally occur in a region (like Maryland)</div></div><div><div></div><div>⚠ Non-Native: species which do not naturally occur in a region</div></div><div><div></div><div>🚫 Invasive: non-native species that cause environmental, economic, or health-related problems</div></div><div><div></div><div>✖ Why are invasives bad?? ✖</div></div><div><div></div><div>🚫 They can cause biodiversity loss, preventing native plant growth and creating monocultures.</div></div><div><div></div><div>🌿 A healthy plant community needs a variety of herbs, shrubs, and trees.</div></div><div><div></div><div>🚫 They can affect fish and wildlife habitat!</div></div><div><div></div><div>🚫 They outcompete and displace native plants that many native wildlie species depend on for food and cover.</div></div><div><div></div><div>🚫 They can reduce the amount of tree cover by preventing tress from establishing.</div></div><div><div></div><div>🌿🌿🌿 This Spring, do your best to plant native species in your landscape and gardens!</div></div><div><div></div><div>See the link below for a list of commonly planted invasive species to stay away from!</div></div><div><div></div><div>https://dnr.maryland.gov/wildlife/Documents/BadPlants.pdf?fbclid=IwAR3H0lOv88RCaTPicMn5HwEOdR1I2q_eC_I6Sv3druIU8N/4bticB_ZH</div></div></div></div></div></div>	Link	4/23/2021 13:04	187	187
Reminder: Sign up for the City Nature Challenge before this Friday!	Photo	4/27/2021 9:04	170	170
Reminder! The household hazardous waste day and shredding event will take place tomorrow from 8am to 12pm!	Photo	4/30/2021 9:04	185	185
	Photo	5/5/2021 7:05	132	132
<div><div><div><div><div><div></div><div>Shout out to Ariel Woodworth and Harford County Watershed Stewards Academy!</div></div></div><div><div><div></div><div>Ariel Woodworth, a Harford County Watershed Steward, installed her capstone project at the Churchville-Level Building of Harford County Parks and Recreation. Having initially planned an installation involving the community and Churchville Recreation Council, plans changed due to the pandemic and she installed the project herself in October 2020.</div></div><div><div></div><div>The project she chose was a conservation landscape garden in the front of the recreation center in order to showcase the beautiful native plants one can utilize to feed pollinators, treat storm water, stop erosion, and still exhibit a beautiful garden. Before the installation, the site was an unsightly assortment of random plants and tended to wash mulch into the parking lot during rain events.</div></div><div><div></div><div>Ariel removed the non-native plants at the site and planted 15 native plants: winterberry shrubs, a sweetbay magnolia tree, swamp milkweed, purple coneflower, and blue false indigo. These plants will grow into beautiful flowering sources of food and habitat for local wildlife and advertise conservation landscaping to all who use the recreation center!</div></div><div><div></div><div>Great job Ariel!</div></div></div></div></div></div>	Photo	5/5/2021 8:05	439	439
Great job, Panthers for the Planet!	Photo	5/7/2021 10:05	302	302
<div><div><div><div><div><div></div><div>Mark your calendars!! The Summer Adventure Poker Run is in just a week and a half away!</div></div></div><div><div><div></div><div>Join us Saturday May 22nd! Visit various locations, collect cards, and win prizes!</div></div><div><div></div><div>Here's how to participate:</div></div><div><div><div><div><div></div><div>1. Begin your adventure at Frank J. Hutchins Memorial Park, 100 Congress Avenue in Havre de Grace between 12:30 and 1:00 p.m. for registration, a score sheet and a list of locations to visit.</div></div><div><div></div><div>2. Visit all other locations including: Lock House Museum, Pollinator Garden at Moore Family Homestead Property, Concord Point Park Pond Retrofit and Landscape Infiltration and Millard Tydings Memorial Park to take selfies and collect playing cards.</div></div><div><div></div><div>3. Leave yourself plenty of time-score sheets are due back 4:00 p.m.</div></div><div><div></div><div>4. The top two (adult and junior) poker hands will win prizes. The lowest hands will also win prizes</div></div></div></div><div><div></div><div>🌿🌿🌿 Good Afternoon!🌿🌿🌿</div></div><div><div><div></div><div>Less than a week away from our annual Poker Run!</div></div><div><div></div><div>The Poker Run kicks off at 12:30 p.m. at Frank J. Hutchins Memorial Park for registration and score sheets need to be returned by 4:00 p.m. to be eligible for the variety of cool prizes!</div></div><div><div></div><div>Tag your friends and family, and join us for a fun day of adventure! Rain or Shine! And as always this event is free!🌿🌿🌿</div></div><div><div></div><div>Check out some cool stream selfies from our 2020 Poker Run below!! 😊</div></div><div><div></div><div>https://bit.ly/HSPokerrun</div></div></div></div></div></div></div></div>	Photo	5/12/2021 13:05	1703	1703
	Photo	5/17/2021 15:05	379	379
	Video	5/18/2021 7:05	142	142
<div><div><div><div><div><div></div><div>🏠 Good Morning Friends!🏠</div></div></div><div><div><div></div><div>Only three more sleeps till the Harford Streams 2021 Poker Run!🌿</div></div><div><div></div><div>This year's Poker Run will start at 12:30 p.m. in Frank J. Hutchins Memorial Park! Family and friends of all ages are welcome to explore 5 beautiful parks around Havre de Grace (listed below) to take selfies and collect playing cards!</div></div><div><div></div><div>🌿 Frank J. Hutchins Memorial Park</div></div><div><div></div><div>🌿 Lock House Museum</div></div><div><div></div><div>🌿 Pollinator Garden at Moore Family Homestead Property</div></div><div><div></div><div>🌿 Millard Tydings Memorial Park</div></div><div><div></div><div>🌿 Concord Point Park Pond Retrofit and Landscape Infiltration</div></div><div><div></div><div>Remember to be back to Hutchins Park by 4:00 p.m.to return your score cards and see if you've won any of our fabulous prizes! Good Luck everyone!</div></div><div><div></div><div>https://bit.ly/HSPokerrun</div></div><div><div></div><div>🌿🌿 Hello Everyone!🌿🌿</div></div><div><div><div></div><div>We are super excited for tomorrow's Poker Run!📅</div></div><div><div></div><div>Bring all your friends and get ready for a day of exploring and having fun! 🌿</div></div><div><div></div><div>We cannot wait to see all of your smiling faces! It is going to be a beautiful day, so bring some water and be ready to walk around Havre de Grace!</div></div><div><div></div><div>Registration starts at 12:30 p.m. @ Frank J. Hutchins Memorial Park!</div></div><div><div></div><div>https://bit.ly/HSPokerrun</div></div><div><div></div><div>🌿🌿 Good Afternoon Summer Adventurers!🌿🌿</div></div><div><div></div><div>We hope you had fun learning, exploring, and spending time with friends and family at our annual Poker Run!</div></div><div><div></div><div>We would like to thank our staff, partners, and participants for joining us on Saturday and making it a success!</div></div><div><div></div><div>We encourage everyone to continue exploring Harford County's watershed and sign up for our Summer Adventure Program! Remember you only need to submit 7 selfies to earn our new tie-dye Summer Adventure T-Shirt!</div></div><div><div></div><div>http://bit.ly/HSSummerAdventure</div></div><div><div></div><div>💖 You all are the best!💖</div></div></div></div></div></div></div>	Link	5/21/2021 15:05	136	136
	Video	5/27/2021 14:05	487	487
	Photo	5/27/2021 14:05	245	245
<div><div><div><div><div><div></div><div>🌿Hello! Hello!🌿</div></div></div><div><div><div></div><div>Registration for our 2021 Summer Adventure program officially starts today!🌿🌿</div></div><div><div></div><div>This summer explore the natural beauty of Harford County streams, snap stream-side selfies, submit photos, and earn our new tie dye t-shirt!</div></div><div><div></div><div>Register at http://bit.ly/HSSummerAdventure</div></div><div><div></div><div>Check out some of our 2020 memories in the video below!</div></div></div></div></div></div>	Video	5/28/2021 14:05	1026	1026
	Photo	6/2/2021 7:06	169	169
	Video	6/2/2021 11:06	119	119

<p>🐝Hey Friends!!🐝</p> <p>We wanted to introduce you to our 2021 “backyard” native garden and some of the very special native plants that call it home!🌿🌿🌿🌿</p> <p>🌿First we have a picture of our Lanceleaf Tickseed!</p> <p>Its bright yellow flower heads are a great source of nectar for visiting butterflies. It is an easy plant to take care of due to its ability to survive in a variety of conditions; it is even drought tolerant!</p> <p>🌿The second picture is of Beebalm!</p> <p>This beautiful flower attracts hummingbirds and has special value to native bees! Special Value just means that it has been recognized by pollination ecologists for attracting a high amount of native bees!</p> <p>Some other natives we have are Purple Cone Flowers, Brown-Eyed Susan, and Blue Wood Aster!🌿🌿🌿🌿</p> <p>What kinds of native flowers have you planted this year? Feel free to tag us in pictures of your garden we would love to see it!💖💖💖💖</p> <p>🐝Hello Friends!🐝</p> <p>It's supposed to be very rainy and gusty later today! Please be sure to secure your garbage can lids and anything outside that could become litter or floatables if blown away!</p> <p>💖🌿Help us keep our storm drains and waterways clean!🌿💖</p>	Photo	6/2/2021 14:06	581	581
<p>Make sure to call and register for a time slot for the 24th Annual Wade In Festival! 410-612-1688</p>	Link	6/4/2021 9:06	152	152
<p>🐝Broad X Cicadas are back!🐝</p> <p>We wanted to answer some of the most common questions we have been hearing about these cool critters!</p> <p>🐝How do cicadas know to return to the surface every 17 years?🐝</p> <p>Cicadas count the sap cycles of trees! While underground, cicadas are constantly drinking from the roots of trees and are able to notice the different sap cycles that are brought on by seasonal changes.</p> <p>🐝Are cicadas killing all of my plants?🐝</p> <p>Yes and no. Young trees can be harmed by the females laying eggs into the branches. Mature plants actually benefit from the “pruning” service provided by the female, and will branch and grow stronger after the emergence. Furthermore, dead cicadas are great natural fertilizer for trees and other microbes!</p> <p>🐝Can they hurt me?🐝</p> <p>The most these bugs can do is fly into you by accident. The reason they emerge at once is because their defense method is to overwhelm and fill their predators’ stomachs with themselves so that the other cicadas that remain and are able to mate and carry on the species.</p> <p>We encourage you to get your hands dirty and go play with the cicadas while they are here!🐝🌿🌿</p> <p>Please join us Wednesday, June, 9th for an information session to learn all about the Watershed Stewards Academy and to meet some of our Master Watershed Stewards. Harford County Watershed Stewards Academy Harford County Government Harford Streams - Green Choices. Healthy Streams.</p>	Photo	6/7/2021 15:06	798	798
<p>🌿Happy Friday Adventurers!!🌿</p> <p>We are super excited to announce that we have already had over 250 people register for our Summer Adventure Program! Participants have been increasing every year but this is a record start!🐸🐸</p> <p>We just wanted to say thank you again and if you have not signed up it is not too late!</p> <p>Register at: bit.ly/HSSummerAdventure</p> <p>Here is a video to help introduce you to some of our newest adventure locations that friends have already been exploring!🐸🐸🐸</p> <p>🐸Maryland House Bill 322, the low-impact landscaping legislation, has passed!🐸</p> <p>🐸What does that mean?🐸</p> <p>No longer can a deed, contract, security investment, or the bylaws of a homeowners association prevent you from implementing low-impact landscaping.</p> <p>Low-impact landscaping is landscaping techniques that conserve water, lower maintenance costs, provide pollution prevention, and create habitat wildlife.</p> <p>Examples include pollinator gardens, bio-habitat gardens, rain gardens, and xeriscaping!🌿🌿🌿🌿</p> <p>As the property owner all you need to keep in mind is that you must have exclusive right to the property and maintain the landscaping regularly!</p> <p>♥️🐸🐸🐸This is a huge win for the environment and we know the bees and the butterflies will also be very grateful!!💖💖💖</p> <p>🐸💖Happy Friday!💖🐸</p> <p>Our Summer Adventure has been going great! We love to see all our friends exploring new places and enjoying the great outdoors of Harford County!🐸🌿</p> <p>We wanted to share this sweet Summer Adventure Video with you and encourage everyone to participate and keep submitting selfies!🐸🐸♥️🐸🐸</p> <p>Register here: bit.ly/HSSummerAdventure</p>	Video	6/11/2021 14:06	4671	4671
<p>🐸🌿Good afternoon Adventurers!🐸🌿</p> <p>Another great weekend of exploring has passed! We love seeing all our friends smiling and getting some sun at our Summer Adventure locations all around the county!🌞🌞</p> <p>If you have not signed up yet we encourage you to! Registration is only three simple steps! 1🐸2🐸3🐸</p> <p>If you needed any more convincing we have chosen to spotlight some of the biggest smiles from this past week!🐸🐸</p> <p>Register at: http://bit.ly/HSSummerAdventure</p> <p>🐸Happy Monday!🐸</p> <p>We want to introduce you all to our new Summer Adventures location this year-</p> <p>Bynum Run at Wheel Road!🌿🌿</p> <p>This is not the Bynum Run Park on Rt. 22. To get to this hidden gem we encourage you to enter the coordinates on your phone and it will take you right to the parking area!</p> <p>🌿The coordinates are (39.502635, -76.306174)🌿🌿</p> <p>If you ever need help getting to one of our locations we have a spreadsheet with addresses and coordinates to help you save time on traveling so you can explore more!</p> <p>🐸Hope you get a chance to see this beautiful location!🐸</p> <p>And remember you can still register for Summer Adventure: bit.ly/HSSummerAdventure</p>	Photo	6/22/2021 14:06	408	408
<p>🐸Happy Monday!🐸</p> <p>We want to introduce you all to our new Summer Adventures location this year-</p> <p>Bynum Run at Wheel Road!🌿🌿</p> <p>This is not the Bynum Run Park on Rt. 22. To get to this hidden gem we encourage you to enter the coordinates on your phone and it will take you right to the parking area!</p> <p>🌿The coordinates are (39.502635, -76.306174)🌿🌿</p> <p>If you ever need help getting to one of our locations we have a spreadsheet with addresses and coordinates to help you save time on traveling so you can explore more!</p> <p>🐸Hope you get a chance to see this beautiful location!🐸</p> <p>And remember you can still register for Summer Adventure: bit.ly/HSSummerAdventure</p>	Photo	6/28/2021 13:06	1280	1280
		Total	82,461	

Anita C. Leight Estuary Center Activites 2020-2021	General Public	Students	Groups	Number Reached
Canoe and Kayak Trips	X			308
Canoe and Kayak Trips			X	58
Chesapeake Bay Wildlife Field Trip		X		24
Invasinators	x			41
Juvenile Fish Sampling	X			26
PhenoForays	X			96
Pontoon Boat Trips	X			42
Pontoon Boat Trips			X	10
SAV Survey	X			12
Summer Camps	X			22
Wade-In Festival	X			150
Totals	697	24	68	789

Harford County Department of Parks and Recreation

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Page 1

RECREATION DIVISION ANNUAL REPORT

Area Reporting: Eden Mill

Reporting Period: FY21 7/1/20 thru 6/30/21

I. RECREATION COUNCIL ACTIVITIES, SPECIAL EVENTS & MEETINGS

Registration	Participants	Volunteers	Volunteer Hrs	Cost
0	0	0	0	\$0.00

II. NATURE CENTER ACTIVITIES, SPECIAL EVENTS & MEETINGS

Registration	Participants	Volunteers	Volunteer Hrs	Cost
223	0	183	3086	\$17,501.61

FACILITY USE TIMES

Use	Number of Times Used	County Income
Indoor Use	447	\$0.00
Outdoor Use	610	\$0.00

Watershed Stewards Academy

Program Background

Harford Streams Watershed Stewards Academy (WSA) is administered through a partnership between the Harford County Watershed Protection and Restoration Program, University of Maryland Sea Grant Extension, and Harford Community College. The WSA is a train-the-trainer program where steward candidates attend approximately 50 hours of classroom and hands-on-training (including over 12 hours spent in the field during field trips), install a class project, and complete a small-group or individual capstone project. By completing the course requirements, stewards become urban stormwater management resources for their communities, capable of providing accurate educational information as well as implementing small scale stormwater management and/or water quality projects.

The course is comprised of classroom training that covers stormwater management history and regulations; soils; native plants and plant selection; stormwater site assessment and planning; small scale Best Management Practice (i.e. rain barrels, downspout disconnects, and rain gardens) implementation; BMP maintenance and maintenance plan development; grant and other funding resources; and social marketing. The course is taught by county staff, University of Maryland Sea Grant Extension Watershed Restoration Specialists, and local experts.

After completing the course and their capstone project, stewards are expected to complete 5 hours of continuing education and 15 hours of volunteer work by the end of the next year (i.e. stewards that completed the course in Spring 2018 had until December 31, 2019 to complete the required hours). Following the first year, stewards are expected to continue to engage in stormwater issues and volunteer in their community by completing a combination of 20 hours of continuing education and volunteer time to maintain their “Master Steward” designation.

Harford Streams Watershed Stewards Academy is the 5th WSA that the University of Maryland Sea Grant Extension has established with partners throughout Maryland. The program is based on a model developed by Anne Arundel Watershed Stewards Academy, which is an independent program that was established in 2009. Although Harford County’s program is new, this training program has a history of success in other Maryland localities and regions.

The 2017-2018 Harford Watershed Stewards Academy successfully graduated nine stewards, who installed and have maintained one class project and completed 2 capstone projects. The 2019-2020 class successfully graduated seven stewards, although the completion of the course was delayed due to COVID-19. Their class project, a rain garden, was installed in fall 2021. The second class of stewards also completed 2 capstone projects.

2017 - 2018 Class Project & Capstone Project Summary

Class Project

This class project was installed on May 12, 2018 at Tollgate Park. The 32 sq. ft. rain garden treats approximately 200 sq. ft. of roof runoff from a concession stand. The rain garden took approximately 6 hours to install. Since completing the initial project installation, the stewards have maintained the rain garden. As of October 30, 2020, the stewards have spent approximately 20 hours on garden maintenance.

Capstone Project

- 💧 Project 1: Floating Wetland Installation at Ladew Topiary Garden - The design consisted of five 4.5’ x 4’ modular floating wetlands capable of holding 18 native plants that were placed in a former quarry pond. Stewards have spent 8 hours on project maintenance since its installation.

Watershed Stewards Academy

- 💧 Project 2: Pollinator Garden in Havre de Grace - The project, which took 14 hours to install between site prep and final planting, will treat 264 sq. ft. of impervious surface from the roof as well as some sheet flow from the nearby street.
- 💧 Project 3: Harford County Weed Warriors- The stewards partnered with Anita C. Leight Estuary Center and Eden Mill Nature Center to deliver educational information. The stewards spent approximately 10 volunteer hours on the project.

2019 - 2020 Class Project & Capstone Project Summary

Class Project

The steward candidates participated in the class project site selection and project development. Two potential sites were visited and evaluated for BMP implementation. The site evaluation process included identifying impervious surfaces that could be better treated, measuring slopes, and looking for constraints such as existing infrastructure. Due to COVID-19 restrictions, the stewards didn't implement their rain garden until Fall of 2021. The 100 sq ft rain garden at Churchville Rec Center – Glenville Building will absorb runoff from 600 sq ft of roof runoff from an adjacent pavilion. The project took 2 days and approximately 20 volunteers to complete the installation. Forty-one native plants were planted.

Capstone Projects

- 💧 Project 1: Conservation Landscaping at Churchville Rec Center – Level Building - One steward completed their capstone project in Fall 2020. Fifteen native plants were added to an area in front of the new Churchville Rec center building in an area that experiences substantial runoff. Due to COVID-19 restrictions, the project was smaller than initially planned and was completed individually by the steward.
- 💧 Project 2: Conservation Landscaping at Hickory Elementary School - Another pair of stewards completed their capstone in Spring 2021. A 100 square foot garden was installed at Hickory Elementary School and 23 native plants were planted.
- 💧 Planned Projects - Other planned projects include 4 conservation landscaping projects and 1 rain garden. These projects may be further modified due to COVID-19 restrictions.

2021 - 2022 Class

The third Harford WSA Class started in September 2021 with 9 new steward candidates. Due to COVID-19, the 2nd class project installation was delayed and many of the steward candidates participated in the installation.

Ongoing Activities

Despite COVID-19 restrictions, stewards were still able to safely complete 355 volunteer and continuing education hours from July 2020 through June 2021.

The partners will continue to work closely with the graduated stewards by providing continuing education and project opportunities, serving as a technical resource for questions that are beyond the steward's scope and/or expertise, and ensuring they are meeting their annual volunteer and continuing education hour requirements.

The partners continue to engage the MWS and steward candidates by providing a monthly news bulletin and holding bi-monthly virtual/in person meetings.





harford
harford life

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Linda

Amy

Mary Beth

Nathan

Date	Activity	Name / Site	Hours	Adults	Youth	Comments
07/18/2020	Outreach Effort	Summer Adventure Poker Run	5			
08/06/2020	Outreach Effort	Laurel Bush HOA site visit	3	3	0	
10/10/2020	Outreach Effort	Faith & Blue Night Out	5	40	25	
07/18/2020	Outreach Effort	Poker Run	4	42	37	
11/16/2020	Outreach Effort	Center for Watershed Protection Coastal & Islands Conference	20			
11/12/2020	Outreach Effort	Condo Association	2	8	0	
10/10/2020	Outreach Effort	Praise & Police at Patterson Mill	3	15	8	
05/22/2021	Outreach Effort	Harford Summer Adventure Poker Run	4	30	20	
06/22/2021	Outreach Effort	Harford County Streams Poker Run	5	50	100	
05/22/2021	Outreach Effort	Summer Adventure Poker Run	5	50	20	
05/22/2021	Outreach Effort	Harford Streams Poker Run	4	22	18	
05/03/2021	Outreach Effort	Facebook - social media	3	300	30	Management of Facebook Account
05/22/2021	Outreach Effort	Poker Run	2	200	100	
05/22/2021	Outreach Effort	Poker Run	4			
05/18/2021	Outreach Effort	Harford Summer Adventure Poker Run	2			Posted Summer Adventure signage and advocated for the event
05/22/2021	Outreach Effort	Harford County wtershed Poker Run	4	40	40	
06/05/2021	Outreach Effort	Leight Center Wade-in	6			
02/12/2021	Outreach Effort	WSA meeting 1.5hr	2			
03/16/2021	Outreach Effort	WSA meeting 1.5hr	2			
04/15/2021	Outreach Effort	Eden Mill Invasives Removal	4			
04/26/2021	Outreach Effort	Eden Mill Invasives Removal	4			
05/18/2021	Outreach Effort		1			
05/26/2021	Outreach Effort	Eden Mill Invasives Removal	4			
06/09/2021	Outreach Effort	WSA planting rain /pollinator garden at ? Elementary School	4			
06/24/2021	Outreach Effort	WSA Stream Evaluation	6			
06/25/2021	Outreach Effort	WSA Stream Evaluation	9			
05/22/2021	Outreach Effort	WSA planting rain /pollinator garden at ? Elementary School	6			
02/08/2021	Outreach Effort	Baywise Certification	1			
10/26/2020	Installation (Lead)	Bosely Conservancy	33	0	0	Wrote/ review grant proposal for \$3k to plant trees at Bosely Conservancy. Priced and acquired all trees and protective guards. Prepared guard materials. Lined up help to plant. Installed 67 bald cypress trees . Atlantic White Cedar trees to be installed at a later date.
07/14/2020	Installation (Lead)	Havre de Grace City Hall Pollinator Garden	40	16	9	Pollinator Garden Creation 200 sq. ft., Took Rain Garden plants from old High School scheduled to be torn down, thinned out pollinators from existing Burns' Property pollinator garden, purchased 6 Black Eyed Susans, Rain barrel by girl scouts, Types of natives include New England Asters, Monarda, Swamp Milkweed, Common Milkweed, Butterfly Weed, Lobelia, Hemp
11/15/2020	Installation (Lead)	Bosely Conservancy	15	0	0	Wrote/ review grant proposal for \$3k to plant trees at Bosely Conservancy. Priced and acquired all trees and protective guards. Prepared guard materials. Lined up help to plant. . Purchase supplies. Prepare protective cages.Atlantic White Cedar trees to be installed .
05/13/2021	Installation (Lead)	Hickory Elementary School	5	30	0	
04/06/2021	Installation (Lead)	Welzenbauch- IWLA	11	0	0	Wrote a BGE Grant to plant native shrubs and understory trees in existing forest at Welzenbauch which is heavily deer browsed. Sourced supplies and budgeted for 1 acre planting. Did not secure grant.
09/30/2020	Maintenance	Tollgate Park	1	1	0	Maintenance and photos
11/08/2020	Maintenance	Tollgate Park	2	0	0	Determine the need for additional plants, larger berm, weeding, cutting back plants.
09/20/2020	Maintenance	Dublin Dell Pond/Park	2	0	0	
11/27/2020	Maintenance	Perryman	2	0	0	
10/17/2020	Maintenance	Tydings Park	2	0	0	
12/07/2020	Maintenance	Stream area trash & invasive removal	2	0	0	
12/13/2020	Maintenance	Stream area trash & invasive removal	2	0	0	(1.5hr) Trash pickup Palmer State Park 13Dec2020

12/15/2020	Maintenance	Stream area trash & invasive removal	2	0	0	(2.0hr) Trash pickup Deep Run/Cooper Rd 15Dec2020
03/28/2021	Maintenance	Havre de Grace City Hall	3	0	0	Pollinator Garden
03/27/2021	Maintenance	Stoney Forest Grays Run Tract	3	15	6	Litter removal at Stoney Forest / Grays Run Tract with the Harford Land Trust
04/17/2021	Maintenance	Havre de Grace City Hall Pollinator Garden	13	0	0	Weeding, cleaning, replanting
04/18/2021	Maintenance	Tollgate Park	3	2	0	Conducted maintenance on rain garden at Tollgate site
06/15/2021	Maintenance	Tollgate Park	1	0	0	Picked up mulch from Harford County Mulch facility
05/18/2021	Maintenance	Tollgate Park	2	0	0	Weeded and cut down Grasses
06/24/2021	Maintenance	Tollgate Park	3	1	3	pulled weeds from garden and mulched
06/27/2021	Maintenance	Havre de Grace City Hall Pollinator Garden	3	0	0	Pollinator garden weeding and planting more plants. Tended pumpkins and sunflowers added this season.
02/19/2021	Maintenance	Bosely Conservancy	3	0	0	remove 2020 "Dead vegetation/ mulch
03/20/2021	Maintenance	Bosely Conservancy	14	0	0	Marsh Clean-up with Leight Center
03/10/2021	Maintenance	LaDew Gardens ponds	3	0	0	removal of 2020 vegetation, inspection of Floating Treatment Wetlands
03/27/2021	Maintenance	Palmer State Park	3	0	0	
09/04/2020	Monitoring	Anita C. Leight Estuary Center	5	0	0	Juvenile fish survey Bush River
08/12/2020	Monitoring	Bosely Conservancy	6	0	0	Emergent vegetation Survey
08/14/2020	Monitoring	Bosely Conservancy	9	0	0	Emergent Vegetation survey
11/08/2020	HSAAssessment	Tollgate Park	1	0	0	
07/01/2020	Continuing Education	WSA Database Information Session	1			
07/10/2020	Continuing Education	VA Tech youtube channel - Invasive Plants (15 Minutes in the Forest) https://www.youtube.com/channel/UC1-yMjBfIHoct6wzXX8sFUA	0			
07/10/2020	Continuing Education	VA Tech FB Live - 15 Minutes in the Forest - A Nature Walk see calendar for other events https://forestupdate.frec.vt.edu/eventscalendar.html	0			
09/30/2020	Continuing Education	WSA meeting	1			
08/18/2020	Continuing Education	WSA meeting	2			
09/16/2020	Continuing Education	Ground Water UMD Zoom 1 hr Wednesday Water Webinar - Groundwater Stewardship	1			
10/27/2020	Continuing Education	Plastic Pollution Coalition Unseen: Microplastics Research & Solutions	1			
07/01/2020	Continuing Education	(1hr) Woodland wildlife (1hr) 12-1:05 1Jul2020 Webinar	1			
07/29/2020	Continuing Education	(1hr) Landowner Liability & Recreation Access 12-1 29Jul20 webinar	1			
08/29/2020	Continuing Education	(2hr) From Marshes to Meadows SEgrasslands.org 1:50:31 29Aug2020, MDflora.org/webinar-recordings	2			
09/29/2020	Continuing Education	(1hr) Native Grasses for Use in home gardens 29Sep2020	1			
10/18/2020	Continuing Education	(1hr) Grass ID for Dummies 8Oct2020	1			
11/11/2020	Continuing Education	(0.5) Endangered Animals & Wildlife are Exhibiting New Phenomena 3:15-3:46 11Nov2020	1			
11/25/2020	Continuing Education	(0.25) Inviting Butterflies Into Your Garden 25Nov2020	0			
11/11/2020	Continuing Education	(0.25) Gardening for Birds 11Nov2020	0			
11/12/2020	Continuing Education	(1.25) Native planting and yard landscaping tech on insects perspective 1:24:37 12Nov2020	1			
11/18/2020	Continuing Education	WSA Zoom Meeting	2			
01/19/2021	Continuing Education	Clear Choices Clean Water campaign Theaux Le Gardeur, the Gunpowder RIVERKEEPER	1			
01/19/2021	Continuing Education	WSA meeting/ Clear choices clean Water Webinar	1			
02/18/2021	Continuing Education	Maryland Stream Restoration Association (MSRA) Webinar - Leveraging the Ecosystem Services of the North American Beaver as a Tool for Restoration, by Scott McGill	1			
03/10/2021	Continuing Education	Webinar: Tree Equity for Climate and Health: State and Local Applications	1			
04/13/2021	Continuing Education	What's in Our Water: A Chemical Perspective of The Good, The Bad and The Ugly // Online webinar by UMCES Chesapeake Biological Labratory	1			
04/20/2021	Continuing Education	The Wonderful World of Native Plants and Pollinators	1			
04/21/2021	Continuing Education	Water Gardens Basics	1			
01/19/2021	Continuing Education	Clear Choices Clean Water Campaign Webinar	1			
10/13/2020	Continuing Education	The Association of State Wetland Managers (ASWM), Held Tuesday, October 13, 2020 - 3:00pm-4:30pm Eastern https://www.aswm.org/aswm/aswm-webinarscalls/3355-2020-past-beaver-restoration-webinar-series	2			

09/05/2020	Continuing Education	What the Eyes Don't See, Flint Water Crisis sponsored by Towson University https://www.towson.edu/news/2020/dr-mona-hannaattisha.html?utm_source=news&utm_medium=newsfeed&utm_campaign=	2			
10/05/2020	Continuing Education	We need to talk, session on the intersections of public health, equity, and conservation. Sponsored by National Park Service https://www.facebook.com/478843242142343/photos/a.505954252764575/3894923150534318/	1			
10/22/2020	Continuing Education	Chesapeake Nature Play & Learning Conference: Discover a range of outdoor learning environments and approaches to natural play space design during this one-of-a-kind virtual event! Enjoy a day full of engaging workshops that highlight ways to take	8			
10/15/2020	Continuing Education	How Nature Alleviates Flooding by CBF During this webinar, Virginia state and local leaders discuss details about green infrastructure practices that emulate the natural environment. We also discuss resiliency strategies to address the in...	1			
10/28/2020	Continuing Education	Fish adaptations. See how different fish dress themselves up according to where they live, who they eat, and who preys upon them. Learn how to make observations about the placement, size, and shape of fish fins, eyes, and mouth and uncover the reasons	1			
10/16/2020	Continuing Education	Living Shoreline Webinar: Green Shores for Homes by State of Delaware.com	2			
10/29/2020	Continuing Education	Living Shorelines Webinar: St. Luke's Restoration of Nature Project	2			
01/28/2021	Continuing Education	4:30pm - 6:00pm: Climate Science, Climate Change, and Climate Education by ANJEE http://anjee.org/schedule-and-event-descriptions.html?fbclid=IwAR0FMHq6C1y6TYZOe_o5rDVIn4lDzv84XVveDU2z-AfP1aQ2lW1EqrtQFww	2			
01/28/2021	Continuing Education	Md DNR Webinar: Fire and Rain- Discussion on Soldier's Delight Serpentine Barrens	2			
11/02/2020	Continuing Education	Partnership for the Delaware Estuary Series: Urban Waters Connecting Youth to Urban Waterways Part 1- 11/2/2020 1 hour Part 2- 11/10/2020 1 hour Part 3- 11/17/2020 1 hour	3			
11/03/2020	Continuing Education	Effective Environmental Outreach Strategies by PennState Extension: Learn new strategies for increasing the impact of your environmental outreach program and cultivating trust among staff and stakeholders.	1			
09/16/2020	Continuing Education	University of Maryland, Water Wednesdays Webinar 9/16/2020 You are what you Drink, Testing Your Well Water 10/28/2020 Drinking Water Treatment	2			
11/05/2020	Continuing Education	Izaak Walton League, Salt Watch Kickoff	1			
10/27/2020	Continuing Education	Unseen: Microplastics Research & Solutions pervasiveness and dangers of microplastics, and highlighted ways to reduce your exposure to microplastics as well as how to support legislation and policy change to make an impact. https://www.plasticpollutionco	1			
06/30/2021	Continuing Education	Juvenile fish Survey Training Refresher on Fish Id and review of data form previous year's collection.	2			
04/18/2021	Continuing Education	Whitsted native plant Webnar	2			
03/21/2021	Continuing Education	Doug Tollmany Webinar "Nature's Best Hope"	3			
06/15/2021	Continuing Education	Wsa meeting -native palnts	2			
06/29/2021	Continuing Education	HUMAN IMPACTS ON NATIVE PLANTS & INSECTS: RESTORING BIODIVERSITY WITH DR. SARA VIA 29Jun21 1:05:12	1			
05/25/2021	Continuing Education	GARDENING FOR POLLINATORS WITH KERRY WIXTED 25May21 1:08:16	1			
05/04/2021	Continuing Education	SUPER-TOUGH WILDFLOWERS WITH IAN CATON 4May21 1:22:13	1			
07/01/2020	Networking Event	WSA Zoom Meeting	1			
08/18/2020	Networking Event	WSA Quarterly Meeting	1			
11/18/2020	Networking Event	Zoom call	2			
107			378	865	416	

October 24, 2020	220 S. Main Street	251 lbs.
	Wegmans	120 lbs.
	Bel Air PD	92 lbs.
	Havre de Grace PD	301 lbs.
	Total	764 lbs.
April 24, 2021	220 S. Main Street	1235 lbs.
	Bel Air PD	449 lbs.
	Havre de Grace PD	425 lbs.
	Wegmans	741 lbs.
	Total	2850 lbs.
June 15, 2021	HCPS end of year drug collection	151 lbs.

NATIONAL Prescription Drug Take Back Day



IN HARFORD
COUNTY

CLEAN OUT YOUR
MEDICINE CABINET!



Liquids and sharps in proper containers accepted

**Saturday, October 24, 2020
10 a.m. - 2 p.m.**

4 drop-off locations for unused and expired medicines:

Parking Lot of the County Office Building

220 S. Main Street, Bel Air, MD 21014
(corner of Business Rt 1 and Main Street)

Bel Air Police Department

39 N. Hickory Avenue, Bel Air, MD 21014

Havre de Grace Police Station

715 Pennington Avenue, Havre de Grace, MD 21078

Wegmans

21 Wegmans Boulevard, Abingdon, MD 21009



Sheriff Jeffrey R. Gahler



**Information: 410.638.3333 or
odcp@harfordcountymd.gov**



BARRY GLASSMAN
Harford County Executive

AMBER SHRODES
Director, Dept. of Community Services

Office of Drug Control Policy

Harford County Department of Community Services
www.harfordcountymd.gov/services 410.638.3333

[Link to update form hours](#) - see attachment for helpful information and links to tutorials on the new database

Service (15 hours per year)

Continuing education (5 hours per year)

[Helpful Links](#) and [Consortium of Support Professionals](#)

Next Watershed Stewards Meeting – Tuesday, August 17, 2021 from 12 – 1 pm

Having difficulties logging into the database or logging in your hours? Please join the Watershed Steward database training to be held via Zoom on **Wednesday, June 30th at 6-7 pm**. [Register here for Volunteer Database Training](#)

****Please attempt to login before registering for training. Click [here](#) to enter your WSA username and password.**

Don't remember your user name or password? Contact Elizabeth McGarry at emcgarry@umd.edu for assistance.

For a tutorial on how to log in and access your account, click on: [WSA Stewards Tutorial to Access Account](#)

For other video tutorials on how to use the database, click on: [WSA Steward Tutorials Playlist](#)

Future Opportunities & Project Possibilities – if you are interested

Mariner Point Park

Potential for ongoing project/projects at this site.

There are areas that receive substantial runoff from parking lots that are very close to the water and could be a good site for rain gardens/conservation landscaping. We could plan to do some guided projects in this area, similar to completing another class project.

See photos at https://drive.google.com/drive/folders/1uTeqqNvE8hg_cuF3qblS4oz38WT4_idz?usp=sharing

Contact [Kelsey Brooks](#) for more details.

Susquehanna Museum at the Lock House

Potential wetlands project.

The project would go through Havre de Grace City Hall ([Stephanie Noye](#)) prior to construction.

Contact [Stephanie Noye](#) for more details.

Service Hour Opportunities – activities that are seeking volunteers

Forest Hill Elementary School

Turf Grass Removal

Need someone to take the lead and need volunteers to remove turf grass from the meadow.

Make sure to review the minutes from our last meeting on June 15th.

Contact [Christine Buckley](#) or [Laura Coste](#) for more details.

WSA Class Project

Installation of a Rain Garden

[Churchville Rec Center – Glenville Building](#)

Saturday, October 2, 2021, 9am – 3pm (Rain Date October 3rd)

Contact [Kelsey Brooks](#) for more details.

Bear Cabin Branch

Invasive Plant Removal

Opportunity to engage property owners in removing mile a minute at our Bear Cabin project.

Scott Kearby will be taking the lead on this.

Contact [Scott Kearby](#) for more details if interested in volunteering.

Continuing Education Opportunities – events count for continuing education

Garden Guidance

Garden questions? Get personalized answers to all your horticultural dilemmas from Sustainability Matters' Garden Gurus! Monthly on first Tuesdays throughout the growing season.

Tuesday, July 6, 2021, 7pm - 8pm

Tuesday, August 3, 2021, 7pm - 8pm

[Memberships](#) from \$35 - \$1,000

2021 Land Conservation Conference - Preserving for a Purpose

Indoor/outdoor conference featuring keynote speakers, luncheon programs, lightning round, an evening reception and an array of sessions hosted by distinguished leaders in land conservation.

Day 2 will feature a session on How to Lobby, hot topics with County Council Chairs and preservation planning with your local government officials.

Tuesday, July 13, 8am – 6:15pm

Wednesday, July 14, 2021, 8am – 3:15pm

[CONFERENCE SCHEDULE \(TENTATIVE\)](#)

[Ripken Stadium](#), 873 Long Drive, Aberdeen, MD 21001

Early Bird Pricing

*April 28 - June 25**

Two Day Admission \$155.00

One Day Admission \$85.00

Regular Pricing

June 26 - July 12

Two Day Admission \$185.00

One Day Admission \$100.00

On-site Registration

July 13 & 14

One Day Admission \$115.00

Two Day Admission \$215.00

Student Admission (Two days - must present valid student ID upon check-in) \$30.00

[TREE TALK](#)

Join Pennsylvania Forests Projects Manager, Ryan Davis, for a live tree talk. The Forest program has worked collaboratively to improve forest health, create new forests and tree canopy, inform and support private woodland owners, and communicate to the public the benefits provided by the woodlands and trees in our landscape.

Thursday, July 15, 2021, 10am - 11am

Webinar

FREE

Events, Field Trips, & Other Fun Stuff – self explanatory

[First Friday - Havre De Grace](#)

Best First Friday in Harford County! Enjoy a family-friendly, festive celebration on closed downtown streets. Live bands, cafe seating at our restaurants, food trucks, merchandise vendors, store specials, classic car show, and more. David R. Craig Park hosts the Classic Car Show.

Friday, July 2, 5pm – 9:30pm

Make sure to stop by and say hi to our Master Watershed Steward, Stephanie Noye!



[Harford Streams Summer Adventure](#)

Visit 7 locations and earn a t-shirt (5 can be your choice)

11 locations for a chance to win a guided pontoon boat ride on Otter Point Creel at Anita C. Leight Estuary Center

15 for a chance at a canoe trip on Deer Creek at Eden Mill Nature Center

Open to county residents and non-residents of all ages

Memorial Day through Labor Day

FREE



I-O-I (Item of Interest) – random items that could be of interest

[Breakfast on the Bay](#)

A signature live talk Summer series that celebrates the companies, communities, and conservationists who live, work and play in the Chesapeake Bay watershed.

Thursday, July 8, 2021, 9am - 10am

Webinar

FREE

Rain Garden App

Planning to Build a Rain Garden? Use the Rain Garden app first, a FREE web-based app. Through video tutorials, diagrams, text, and tools, the App guides you through how to properly locate, size, install, plant, and maintain a rain garden to help protect local waterways.

SAVE THE DATE: 2021 Annual Cooperator's Dinner

The [Harford Soil Conservation District](#) will once again be hosting our Annual Cooperator's Dinner, after COVID restrictions forced us to cancel last year. We hope you will join us to reconnect with friends and celebrate after a long and difficult year. The details are as follows:

Saturday, October 9, 2021, 5 – 9pm

Havre de Grace Community Center, 100 Largaret Lane, Havre de Grace, MD 21078

Catering: Richlin Caterers

Cooperator of the Year: Linda Worthington, Eaton Farm

Tickets: Adults - \$25, Children (6-12) - \$12.50, Children (5 and Under) – FREE

Contact [Leslie A. Byrd](#) for more details.

Latest Quote – random quotes for your entertainment and/or education

"If Stupidity got us into this mess, then why can't it get us out?"
Will Rogers (1879-1935)

Funding Opportunities

Environmental Education Mini Grants - CB Trust

Deadline: July 1 by 4pm

Up to \$1,000

The Environmental Education Grant funds schools, organizations, and agencies to support educating students about their local environment and how they can become stewards and have an impact in their community.

Maryland Urban and Community Forestry Committee (MUCFC) Grant

Deadline: July 15 by 4:30pm

Up to \$1,000

The MUCFC Grant funds tree planting on public land and education projects statewide to enhance Maryland's urban forest.

Chesapeake Bay Trust - Community Engagement Mini Grant

Deadline: Rolling

Up to \$5,000

Mini Grants fund small projects that enhance communities, engage residents, and improve natural resources.

Sponsorship Program

Deadline: Rolling

Generally, sponsorship awards are made at the \$1,000 level for programmatic support and up to \$500 for marketing support. Match is encouraged, but not required.

The Chesapeake Bay Trust will entertain requests to sponsor events, such as conferences, festivals, and forums that allow the Trust to advance its mission.

The Campbell Foundation Grant

Deadline: August 4, 2021

Up to \$25,000

The Campbell Foundation is accepting grant applications for grants up to \$25,000 from US-registered 501(c)3 nonprofit organizations who are not current or previous grantees of The Campbell Foundation. Programmatically speaking, they have no designated focus area or project in mind and said they are "looking for good organizations doing good work, even if they don't fit into our usual programmatic focus." (Fiscally sponsored projects, not eligible.)

This does NOT have to be for an in-the-ground project by any means, and doesn't even sound like it needs to be related specifically to environmental work. For questions, email Caroline Harper, charper@campbellfoundation.org.

In The News

Congratulations!

Master Watershed Steward, Sarah Shpak gave birth to Fin Hugh Kline on May 30, 2021. She said, "He is doing newborn things very well; eating, sleeping, and of course pooping! He was born at 6 lbs 7 oz, 21 inches and is now well over his birth weight and hitting all his marks. We love taking him on walks!"



Congratulations!

Soon to be, Master Watershed Steward, Ariel Woodworth will be starting a new position in July as a Resource Inspector for Cecil County DPW, in the Stormwater Management division. The position, among other things, helps to enforce the county's NPDES MS4 permit, inspects stormwater management facilities, and provides education and outreach to citizens.



Featured Article

Congratulations Class 1 Calvert County WSA Stewards!

University of Maryland Extension partnered with Calvert County Government to offer the Watershed Stewards Academy (WSA) program to local residents. Calvert County WSA joins six other academies offered across the state, with the oldest being the Anne Arundel County WSA program that started in 2009. Due to the COVID-19 pandemic, this course was offered primarily online with in-person field sessions held this past spring. Nine community members with a wide array of backgrounds and interests, completed 17 class sessions (from October 2020 to May 2021) that culminated in a 200 sq ft rain garden installation at the Asbury senior living community in Solomons, MD. This project was a great hands-on example for Stewards, because they were able to see how communities can take action to solve a flooding concern and effectively manage stormwater. Their waterfront rain garden collects and filters stormwater, that used to flood the seniors walking path, before it enters the Patuxent River. We look forward to continue working with and sharing success' of this new group of Stewards as they embark on their capstone projects in their communities.



Left: Jackie Takacs, Southern Maryland Regional Watershed Restoration Specialist, uses a pickaxe to help excavate the rain garden. (Source: Nicole Basenback)



Right: The rain garden does a great job of capturing stormwater from the sidewalk during a June rain storm. (Source: Nicole Basenback)

Employment Opportunities

[2021 MD Conservation Jobs Corps Crew Leader \(Assateague St. Pk\)](#) - The Student Conservation Assoc - Berlin

[Development & Events Coordinator](#) - ShoreRivers – Easton

[Chief of Staff](#) - Rock Creek Conservancy - Bethesda and DC

[Eco Friendly Landscape/Garden Crew Member](#) - Lauren's Garden Service – Glenwood

[Administrative Assistant](#) - Eastern Shore Land Conservancy - Easton

[Pennsylvania Agriculture Projects Associate](#) - Alliance for the Chesapeake Bay - Lancaster, PA

[Outreach Coordinator](#) - Interfaith Partners for the Chesapeake - Lancaster County, PA and Harford County, MD

[Grants Coordinator](#) - SilvoCulture - Myersville, MD

[Forestry Technician, Part-time](#) - Neighborhood Design Center - Hyattsville

[Temporary Assistant, Environmental Literacy & Outdoor Education](#) - AA Co Public Schools - Millersville

[Program Specialist - Environmental Literacy and Outdoor Education](#) - AA Co Public Schools – Millersville

[Manager - Frederick Food Security Network](#) - Hood College – Frederick

[Project Engineer](#) - CityScape Engineering - Baltimore

[Research Fellow or Postdoc / Water Resources](#) - Interstate Comm. on the Potomac River Basin - Rockville

[Installation Crew Member](#) - Arterra Landscapes - Washington DC

Weed Identification Workshop at Forest Hill Elementary School

